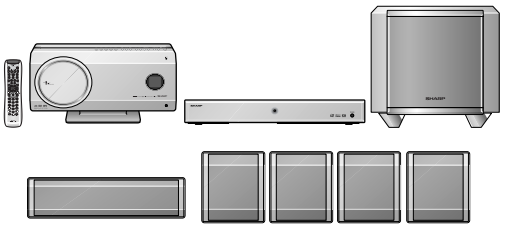
SHARP SERVICE MANUAL

No. S3519SDAS10HS

1-BIT DIGITAL HOME CINEMA WITH DVD



MODEL SD-AS10H(S)

SD-AS10H(S) 1-Bit Digital Home Cinema with DVD consisting of SD-AS10H(S) (main unit and amplifier unit), CP-AS10HF (front speakers), CP-AS10HC (center speaker), CP-AS10HR (surround speakers) and CP-AS10HSW (subwoofer).

• In the interests of user-safety the set should be restored to its original condition and only parts identical to those specified be used.

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Parts Guide

Parts marked with "⚠" are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

SHARP CORPORATION

This document has been published to be used for after sales service only.
The contents are subject to change without notice.

[1] Safety precaution for service manual

Precaution to be taken when replacing and servicing the Laser Pickup.

The AEL (Accessible Emission Level) of Laser Power Output for this model is specified to be lower than Class 1 Requirements. However, the following precautions must be observed during servicing to protect your eyes against exposure to the Laser beam.

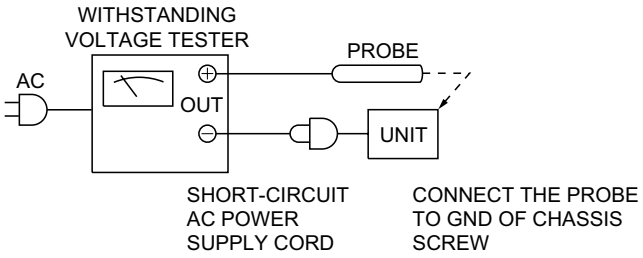
(1) When the cabinet has been removed, the power is turned on without a compact disc, and the Pickup is on a position outer than the lead-in position, the Laser will light for several seconds to detect a disc. Do not look into the Pickup Lens.
(2) The Laser Power Output of the Pickup inside the unit and replacement service parts have already been adjusted prior to shipping.
(3) No adjustment to the Laser Power should be attempted when replacing or servicing the Pickup.
(4) Under no circumstances look directly into the Pickup Lens at any time.
(5) CAUTION - Use of controls or adjustments, or performance of procedures other than those specified herein may result in hazardous radiation exposure.

[2] Important service notes (For U.K. only)

Before returning the unit to the customer after completion of a repair or adjustment it is necessary for the following withstand voltage test to be applied to ensure the unit is safe for the customer to use.

Setting of Withstanding Voltage Tester and set.

Set name	set value
Withstanding Voltage Tester	
Test voltage	4.7 kV DC
Set time	3 secs
Set current (Cutoff current)	3 mA
Unit	
Judgment	
OK: The "GOOD" lamp lights. NG: The "NG" lamp lights and the buzzer sounds.	



PRECAUTIONS FOR USING LEAD-FREE SOLDER

1. Employing lead-free solder

"All PWBs" of this model employs lead-free solder. The LF symbol indicates lead-free solder, and is attached on the PWBs and service manuals. The alphabetical character following LF shows the type of lead-free solder.

Example:

Indicates lead-free solder of tin, silver and copper.

2. Using lead-free wire solder

When fixing the PWB soldered with the lead-free solder, apply lead-free wire solder. Repairing with conventional lead wire solder may cause damage or accident due to cracks.

As the melting point of lead-free solder (Sn-Ag-Cu) is higher than the lead wire solder by 40 °C, we recommend you to use a dedicated soldering bit, if you are not familiar with how to obtain lead-free wire solder or soldering bit, contact our service station or service branch in your area.

3. Soldering

As the melting point of lead-free solder (Sn-Ag-Cu) is about 220 °C which is higher than the conventional lead solder by 40 °C, and as it has poor solder wettability, you may be apt to keep the soldering bit in contact with the PWB for extended period of time. However, Since the land may be peeled off or the maximum heat-resistance temperature of parts may be exceeded, remove the bit from the PWB as soon as you confirm the steady soldering condition.

Lead-free solder contains more tin, and the end of the soldering bit may be easily corrected. Make sure to turn on and off the power of the bit as required.

If a different type of solder stays on the tip of the soldering bit, it is alloyed with lead-free solder. Clean the bit after every use of it.

When the tip of the soldering bit is blackened during use, file it with steel wool or fine sandpaper.

Be careful when replacing parts with polarity indication on the PWB silk.

Lead-free wire solder for servicing

Ref No.	Parts No.	Description
PWB-A	92LPWB5888MANS	Main/Speaker terminal/LED A/LED B
PWB-B	92LPWB5888PWRS	Power/1-Bit Amp.
PWB-C	92LPWB5888DPLS	Display/Terminal B
PWB-D	92LPWB5880MCAS	Sensor A/Switch B/Drum Motor/Switch C/Sensor B
PWB-F	92LPWB5888JCKS	Terminal A

CHAPTER 1. GENERAL DESCRIPTION

[1] Specifications

FOR A COMPLETE DESCRIPTION OF THE OPERATION OF THIS UNIT, PLEASE REFER TO THE OPERATION MANUAL.

SD-AS10H

■ Main unit (DVD player unit)

Dimensions	**Including the stand**	Width: 430 mm (16-15/16") Height: 228 mm (9") Depth: 150 mm (5-15/16")
	Excluding the stand	Width: 430 mm (16-15/16") Height: 195 mm (7-11/16") Depth: 86 mm (3-7/16")
Weight	DVD player unit: 3.0 kg (6.6 lbs.) Stand: 0.8 kg (1.8 lbs.)	
Video output terminals	SCART output: SCART terminal × 1 Video output: RCA type × 1 S-video output: S-terminal × 1 Component video output: RCA type × 3 (Y/PB/PR)	
Other terminals	System control × 1	
Signal system	PAL/NTSC colour	
Supported disc types	DVD-Video (region number 2 or ALL), DVD-R/RW (video mode), SVCD, VCD, audio CD, CD-R, CD-RW	
Video signal	Horizontal resolution: 500 lines S/N ratio: 65 dB	

■ Amplifier unit

Power source	AC 230 V, 50 Hz
Power consumption	Power on: 87 W Power stand-by: 1.0 W
Dimensions	Width: 430 mm (16-15/16") Height: 60 mm (2-3/8") Depth: 321 mm (12-11/16")
Weight	3.9 kg (8.6 lbs.)
Speaker terminals	Front speakers, centre speaker, surround speakers and subwoofer: more than 4 ohms
Audio output terminals	Headphones: 16 - 50 ohms (recommended: 32 ohms) Optical digital output: Square type × 1 Audio output (VCR): RCA type × 1 pair (L/R) Subwoofer Pre Out: RCA type × 1
Audio input terminals	Audio input (TV, VCR): RCA type × 2 pairs (L/R) Coaxial digital input: RCA type × 1 Optical digital input: Square type × 1
Other terminals	System control × 1
Amplification system	5.6448 MHz (128 fs) 1-bit switching (remarks: fs = 44.1 kHz)
Rated power output	Front: 100 W + 100 W, Centre: 100 W (DIN 45 324) Surround: 100 W + 100 W (4 ohms at 1 kHz) (DIN 45 324) Subwoofer: 100 W (4 ohms at 100 Hz) (DIN 45 324)
A/D noise shaping	7th-order $\Delta\Sigma$ (delta - sigma) modulation
Frequency characteristics	Linear PCM DVD: 4 Hz to 22 kHz (sampling rate: 48 kHz) 4 Hz to 44 kHz (sampling rate: 96 kHz) CD: 4 Hz to 20 kHz
S/N ratio	CD: 96 dB (1 kHz)
Dynamic range	Linear PCM DVD: 95 dB CD: 94 dB
Total harmonic distortion ratio	0.006 % maximum
Frequency range	FM: 87.5 - 108 MHz AM: 522 - 1,620 kHz

CP-AS10HF

Type	Twin-drive speaker system (magnetically shielded) 8 cm (3-1/8") speaker × 2
Maximum input power	100 W
Impedance	4 ohms
Dimensions	Width: 168 mm (6-5/8") Height: 195 mm (7-11/16") Depth: 81 mm (3-3/16")
Weight	1.5 kg (3.3 lbs.)/each

CP-AS10HR

Type	Twin-drive speaker system (magnetically shielded) 8 cm (3-1/8") speaker × 2
Maximum input power	100 W
Impedance	4 ohms
Dimensions	Width: 168 mm (6-5/8") Height: 195 mm (7-11/16") Depth: 81 mm (3-3/16")
Weight	1.5 kg (3.3 lbs.)/each

CP-AS10HC

Type	Twin-drive speaker system (magnetically shielded) 8 cm (3-1/8") speaker × 2
Maximum input power	100 W
Impedance	4 ohms
Dimensions	Width: 430 mm (16-15/16") Height: 100 mm (3-15/16") Depth: 81 mm (3-3/16")
Weight	1.7 kg (3.8 lbs.)

CP-AS10HSW

Type	Single speaker system 16 cm (6-1/2") woofer × 1
Maximum input power	100 W
Impedance	4 ohms
Dimensions	Width: 300 mm (11-13/16") Height: 295 mm (11-5/8") Depth: 359 mm (14-3/16")
Weight	6.2 kg (13.7 lbs.)

Specifications for this model are subject to change without prior notice

[2] Names of parts

SD-AS10H

■ Main unit

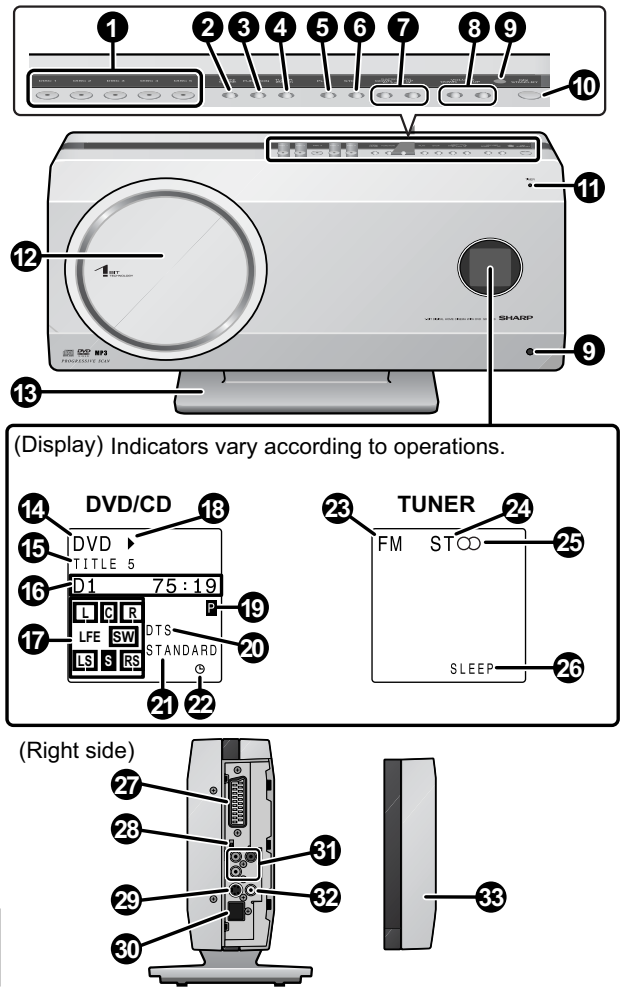
1. Disc Number Select Buttons
2. Disc Compartment Open/Close Button
3. Function Button
4. Tuner (Band) Button
5. Play Button
6. Stop Button
7. Chapter (Track) Skip Up and Down, Search or Tuning Up and Down buttons
8. Volume Up and Down Buttons
9. Remote Sensor
10. On/Stand-by Button
11. Timer Set Indicator
12. Disc Compartment
13. Main Unit Stand

14. Function Indicator
15. Track, Title, Chapter, Total Information Indicator
16. Time and Present Disc Indicator
17. Speaker Indicators
18. Operation Indicator
19. Progressive Scan Mode Indicator
20. Audio Signal Indicator
21. Surround Indicator
22. Timer Indicator

23. Tuner (Band) Indicator
24. FM Stereo Mode Indicator
25. FM Stereo Receiving Indicator
26. Sleep Indicator

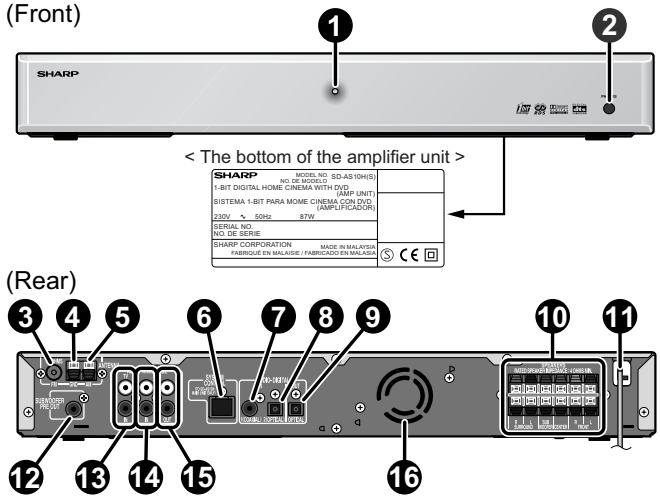
27. SCART Output Socket
28. Component Video Output/SCART Output Selector Switch
29. S-video Output Socket
30. System Connection Socket (to amplifier unit)
31. Component Video Output sockets
32. Video Output Socket
33. Side Cover

Notes:
- Make sure to attach the main unit stand.
- To remove the side cover.



■ Amplifier unit

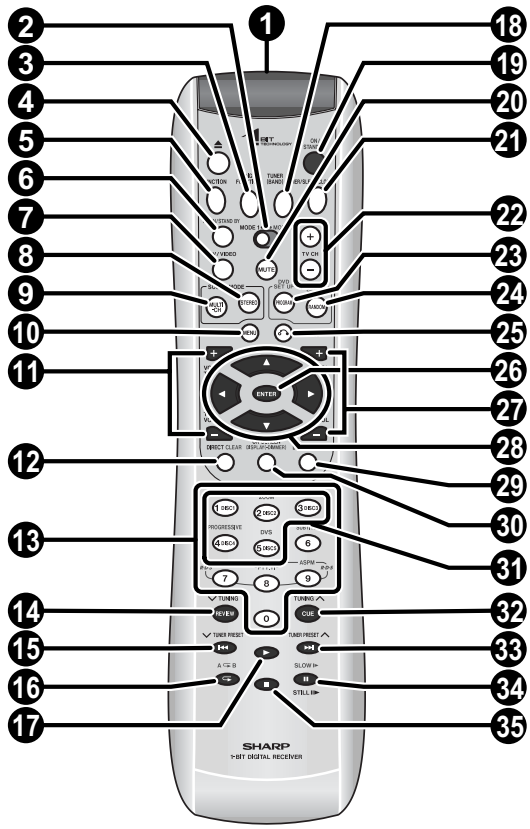
1. Power Indicator
2. Headphone Socket
3. FM 75 Ohm Aerial Socket
4. AM Aerial Earth Terminal
5. AM Aerial Terminal
6. System Connection Socket (to main unit)
7. Coaxial Digital Audio Input Socket
8. Optical Digital Audio Input Socket
9. Optical Digital Audio Output Socket
10. Speaker Terminals
11. AC Power Lead
12. Subwoofer Pre Output Socket
    (Connect a commercially available subwoofer with a built-in amplifier.)
13. TV Audio Input Sockets
14. VCR Audio Input Sockets
15. VCR Audio Output Sockets
16. Cooling Fan



SD-AS10H

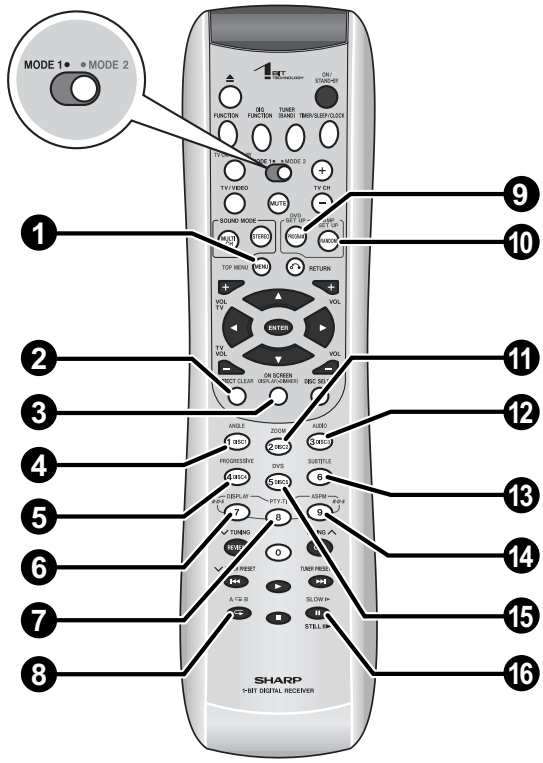
■ Remote control

Set the MODE 1/MODE 2 switch to MODE 1 and press the following buttons.



1. Remote Control Transmitter
2. MODE 1/MODE 2 Switch
3. Function Select Button (DIG1/DIG2)
4. Disc Compartment Open/Close Button
5. Function Select Button (TV/VCR)
6. TV On/Stand-by Button
7. TV/Video Select Button
8. Stereo (2 channel) Select Button
9. Multi Channel Select Button
10. Menu or Playback Control On/Off Button
11. TV Volume Up and Down Buttons
12. Direct Select Button
13. Direct Number Buttons
14. Review/Tuning Down Button
15. Chapter (Track) Skip Down/Tuner Preset Down Button
16. Repeat Play Button
17. Play Button
18. Tuner (Band) Button
19. On/Stand-by Button
20. Mute Button
21. Timer/Sleep/Clock Button
22. TV Channel Up and Down Buttons
23. Programme Button
24. Random Play Button
25. Return Button
26. Enter Button
27. Volume Up and Down Buttons
28. Cursor Buttons
29. Disc Select Button
30. On Screen Button
31. Disc Number Select Buttons
32. Cue/Tuning Up Button
33. Chapter (Track) Skip Up/Tuner Preset Up Button
34. DVD Still Frame Advance/Disc Pause Button
35. Stop Button

Set the MODE 1/MODE 2 switch to MODE 2 and press the following buttons (indicated in blue). Available operations change.

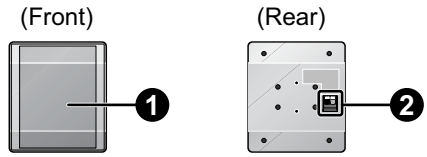


1. DVD Top Menu Button
2. Clear Buttone
3. Display (Dimmr) Button
4. DVD Angle Button
5. Progressive Scan Mode Select Button
6. RDS Display Mode Select Button
7. RDS Programme Type/Traffic Information Search Button
8. A - B Repeat Button
9. DVD Setup Button
10. Amplifier Setup Button
11. DVD Zoom Button
12. DVD Audio Language Select Button
13. DVD Subtitle Button
14. RDS ASPM (Auto Station Programme Memory) Button
15. Dolby Virtual Speaker Button
16. DVD Slow Button

Note:
In "MODE 2", you can use buttons other than the above for the same operations as in "MODE 1".

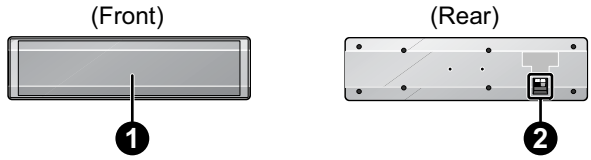
CP-AS10HF/CP-AS10HR

1. Speaker
2. Speaker Terminals



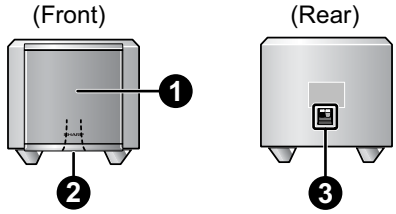
CP-AS10HC

1. Speaker
2. Speaker Terminals



CP-AS10HSW

1. Woofer
2. Bass Reflex Duct
3. Speaker Terminals



CHAPTER 2. ADJUSTMENTS

[1] 1-bit section

1. 1-bit amplifier's output offset voltage adjustment

Adjustment VRA100, VRA101, VRA200, VRA201, VRA300 and VRA301 so that the DC voltage between speaker terminals (SO801) + and - is set to 0 ± 5 mV at AC 230 V.

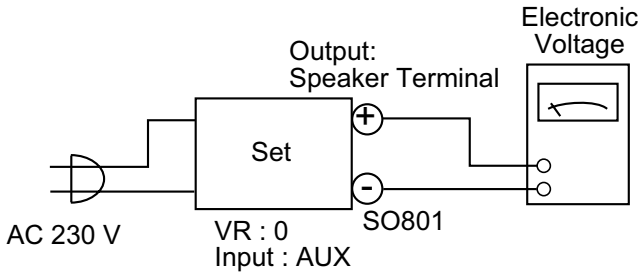


Figure 1 OUTPUT OFFSET LEVEL

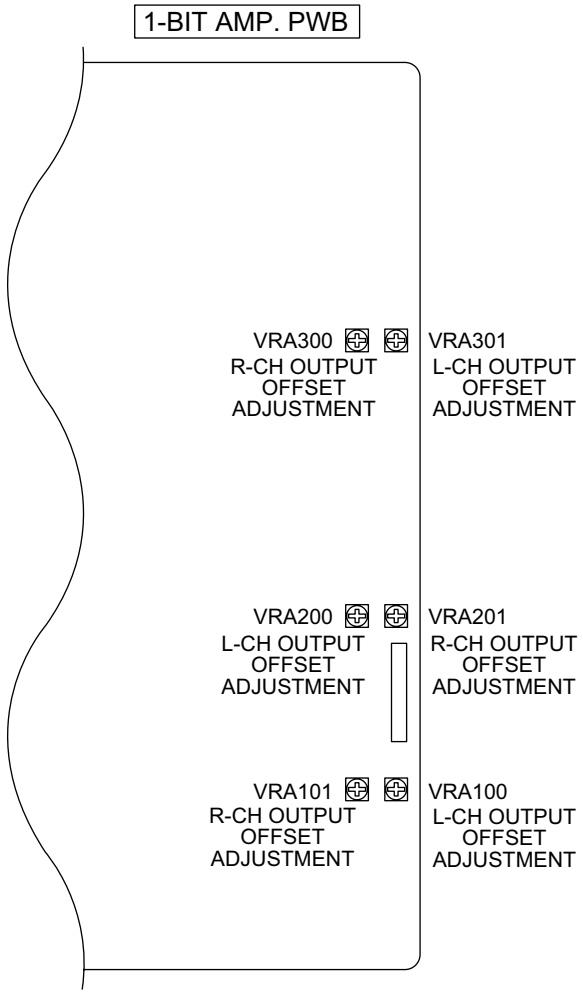


Figure 2 ADJUSTMENT POINTS

[2] DVD/CD section

Since this DVD/CD system incorporates the following automatic adjustment functions, readjustment is not needed when replacing the pickup.

Therefore, different PWBs and pickups can be combined freely.

Each time a disc is changed, these adjustments are preformed automatically. Therefore, playback of each disc can be preformed under optimum conditions.

[3] TEST Mode

1. TEST Mode Functions

1.1. Entering the TEST Mode

Turn off the power, hold down the FUNCTION button and DISC 1 button and press the POWER button to enter the test menu mode. The power turns back on in this mode and the ROM version appears on the LCD by default. See below for other items to be displayed.

When the power turns on, Protect monitoring, AMP and power control are activated basically in the same way as the normal mode.

Then select a test mode using the VOLUME UP/DOWN buttons and press the PLAY button to enter. Alternatively, press a direct number button while the version appears to enter the corresponding mode directly.

No.	TEST MODE	DIRECT KEY	DISPLAY
1	FACTORY RESET	STOP	INITIAL MENU
2	AMP TEST	FAST FORWARD	AMP MENU
3	KEY TEST	REVIEW	KEY MENU
4	TUNER TEST	TUNER	TUNER MENU
6	MUTE TEST		MUTE MENU
7	DVD FACTORY RESET TEST		DVD RESET MENU
8	CHANGER AGING TEST1	DISC1	CHANGER 1
9	CHANGER AGING TEST2	DISC2	CHANGER 2
10	CHANGER AGING TEST3		CHANGER 3
11	CHANGER AGING TEST4		CHANGER 4
12	SYS EEPROM WRITE		S.EEPROM MENU
13	AMP EEPROM WRITE		A.EEPROM MENU
14	CHANGER MANUAL TEST	DISC5	CHANGER MENU
15	DVD UPDATE TEST (without changer)		DVD UPD MENU
16	CH DVD UPDATE TEST (with changer)		CH DVD UPD MENU
17	ASPM TEST	DISC4	ASPM MENU

* OPTION appears in the menu. Make sure to keep it disabled.

* The 8-digit display field in the lower part of the LCD shows items in "DISPLAY" (see above) according to the test mode.

1.2. Canceling test mode

1. The power turns off unless otherwise specified.

   (The RAM clear process is performed only for specified RAMs.)

2. If power supply interruption is detected, the test mode is canceled and the necessary handling process begins.

NOTE: On conventional Sharp audio products, the memory is all initialized when the microprocessor starts up after entering a test mode (incorrect memory check bit values are written and then all memory is initialized by the initializing process). From this model, the memory is not initialized unless necessary and is all initialized only when the factory test is performed. However, the memory is all initialized after exiting some test modes. Refer to the specification of each test mode for details.

1.3. ALL CLEAR MODE for users (Operation Manual)

Method to enter

1) While in POWER_OFF mode.
2) While hold the [STOP] and [DISC5] button, press [POWER] button.
3) Send to AMP the “ALL CLEAR” code.
4) Go to Power On process and then display “ALL CLEAR” for 1 sec.
5) DVD-SYSTEM and AMP MICON RAM are cleared the all.
6) After that go to power off automatically.

2. Factory Reset

2.1. Outline

All settings in the memory (including those preset) return to their defaults.

2.2. TEST Mode Operation

When entering the factory test mode,

1. Data in the backup memory is all cleared and the power turns on (this is the early stage of the system startup).

   Key code for this test is sent to AMP.

2. Preset stations in the tuner preset memory on the EEPROM are cleared.

   When the DVD function is activated and the DVD Wake-Up data (0x86) is received from ESS, the [Factory Reset] command (0x7A) is sent to ESS.

   Then the program version is sent to the system, which appears on the LCD for at least 2 seconds (remains until the changer is initialized).

3. The changer is set to the initial position.

   The drum is stored into the unit (home position).

   The mode cam gear moves to the No. 3 position.

4. After all the above processes are correctly completed, “COMPLETE” appears with all the buttons disabled (power can be turned off).

5. When all the above processes cannot be completed correctly:

   1) When communication cannot be established in the DVD function setup and the process results in an error, or when DISC_ERR is sent back.

   2) When the changer cannot be initialized and a corresponding error is detected.

   In either situation, “ERROR” appears for 3 seconds with all the buttons disabled (power can be turned off).

2.3. Supplementary Note

1. During the process, all the buttons are disabled.
2. Send the [Factory Reset] command to ESS. The display similar to “VER: 4.1.31.1 SRC-ER2-0.52” appears on the TV screen. The last 3 digits 00x indicate the firmware version. For example, 001 = Ver 0.01, 101 = Ver 1.01.

   Data - “title (41)”, “chapter (31)”, “minute (00)” and “second (0x)”- will be sent to the system microprocessor side.

3. Refer to minute data (0 x 21) and second data (0 x 22) from MPEG to obtain the DVD program version number, which appears on the LCD as “DVD Ver: XXX”.

3. AMP TEST Mode

3.1. Outline

In this test mode, all controls except volume control function the same as when the power normally turns on.

The volume increases or decreases in four steps (0, 1, 24 and 40).

3.2. TEST Mode Operation

1. In the test mode, the power turns on with DIGITAL 2 active. The DIG2 function key code is sent to turn on the AMP side with DIG2.
2. The volume is 24 (-16 dB) and the surround mode is stereo mode, which is selected when the DIG2 key code is sent.
3. The volume increases or decreases in four steps (0, 1, 24 and 40) when the volume control button is pressed. Also in this test mode, the maximum volume is set to -3dB depending on the surround mode and audio format (refer to “Volume Control” and setting of DSP trim value is processed (refer to “2-12-9-3. LEVEL setting” in the same way as the normal operation.

   First, the VOL1 value is sent to AMP.

4. “AMP TEST” appears in the 8-digit display field in the lower part of the LCD for 3 seconds and switches to “DIGITAL 2” (message continues to switch in the same way as the normal operation).

   • When an error occurs, a message remains until the error is solved.

5. When the power button is pressed, the test mode is exited.

   The volume setting returns to the default next time the microprocessor starts up (other settings remain).

4. KEY TEST Mode

Detection Range (HEX)	Key	Test Mode	Key	Test Mode
	Key 1		Key 2	
0~	FF	KEY1-1	VOLUME DOWN	KEY2-1
1E~	REW	KEY1-2	VOLUME UP	KEY2-2
38~	STOP	KEY1-3	DISC 1	KEY2-3
5B~	PLAY	KEY1-4	DISC 2	KEY2-4
7E~	TUNER	KEY1-5	DISC 3	KEY2-5
A2~	FUNCTION	KEY1-6	DISC 4	KEY2-6
C4~	EJECT	KEY1-7	DISC5	KEY2-7
E6~FF	KEY-OFF	No display	KEY-OFF	No display

4.1. Outline

This test mode is to make sure the system microprocessor recognizes keys on the main unit correctly.

4.2. TEST Mode Operation

1) When entering the test mode, all LEDs on the main unit light for 3 seconds.
2) A key code KEY TEST is sent to AMP to start it up.
3) When the POWER button is pressed and the power turns off, all of 65 x 65 dots on the LCD light for 10 seconds and the test mode is canceled.

5. TUNER TEST Mode

5.1. Outline

In this test mode, the power turns on as it normally does and the tuner function is activated. Settings are the same as in the normal operation. The only difference is that the following frequencies are preset.

5.2. TEST Mode Operation

1. In the test mode, the power turns on as it normally does, and the station preset in No. 1 is tuned in for the tuner function. The following frequencies are set according to the destination.
2. AMP is activated by the tuner function code and frequencies are set at the same time.

P1	P2	P3	P4	P5	P6
87.50M	108.00M	90.00M	106.00M	98.00M	522k
P7	P8	P9	P10		
1620k	603k	1404k	990k		

3. Subsequent operations are the same as in the normal operation.

* The tuner preset memory is initialized when the test mode is exited. The memory for other data remains.

6. MUTE TEST Mode

6.1. Outline

In this test mode, all controls except mute control are the same as when the power normally turns on (functions can be switched and the multi channel playback such as AC3, DTS is controlled normally). Only the mute control works differently. The mute controls below are always off.

First, the ALL_MUTE_OFF_TEST key code is sent to AMP to start it up with all mute controls disabled.

1. AMP_Output Mute
   i) F_S_MUTE: Front speakers
   ii) C_S_MUTE: Center speaker
   iii) S_S_MUTE: Surround speakers
   iv) W_S_MUTE: Subwoofer
2. Volume Mute
3. Line Out Mute
4. DSP Mute
5. Tuner Mute

Manual hard mute by “MUTE” button on the remote control in this test mode

1) When the “MUTING” button is pressed, “L_MUTE” is activated for 0.7 seconds. The L_MUTE_ON_TEST key code is sent.

   “_ _L_MUTE_ _ _” (in the area 7) appears on the LCD meanwhile.

2) When the “MUTING” button is pressed, “FS_MUTE” is activated for 0.7 seconds. The FS_MUTE_ON_TEST key code is sent.

   “_ _FS_MUTE_ _ _” (in the area 7) appears on the LCD meanwhile.

3) When the “MUTING” button is pressed, “CS_MUTE” is activated for 0.7 seconds. The CS_MUTE_ON_TEST key code is sent.

   “_ _CS_MUTE_ _ _” (in the area 7) appears on the LCD meanwhile.

4) When the “MUTING” button is pressed, “SS_MUTE” is activated for 0.7 seconds. The SS_MUTE_ON_TEST key code is sent.

   “_ _SS_MUTE_ _ _” (in the area 7) appears on the LCD meanwhile.

5) When the “MUTING” button is pressed, “WS_MUTE” is activated for 0.7 seconds. The WS_MUTE_ON_TEST key code is sent.

   “_ _WS_MUTE_ _ _” (in the area 7) appears on the LCD meanwhile.

6) When the “MUTING” button is pressed, the process returns to step 1.

7. Software rewrite test mode by EEPROM

In this test mode, settings can be adjusted for rewriting (patching) the software on the DVD and AMP sides by EEPROM.

For software rewrite on the DVD side, the SYS_EEPROM_TEST key code is sent to the AMP side and the system microprocessor enters the rewrite mode.

For software rewrite on the AMP side, the AMP_EEPROM_TEST key code is sent to the AMP side. The system microprocessor turns on, but the DVD and changer do not function.

SYS side:

When entering the S.EEPROM MENU test mode (after the play button is pressed), “S_EEPROM WAIT” appears. “WAIT” flashes at 1 Hz when data is transferred from a PC.

After the transfer, “S.EEPROM COMP” appears. If an error occurs, “S.EEPROM ERR” appears.

AMP side:

When entering the A.EEPROM MENU test mode (after the play button is pressed), “A_EEPROM WAIT” appears and the indicator LED lights. “WAIT” lights at 1 Hz when data is transferred from a PC (the indicator LED also flashes at 1 Hz).

After the transfer it will directly go to POWER OFF mode.

If on error occurs, A.EEPROM WAIT will remaining display and the indicator LED flashes at 2 Hz.

8. DVD FACTORY RESET test

8.1. TEST Mode Operation

1) The power turns on with the DVD function active, and the normal DVD unit startup process is performed. “F.RESET” appears.
2) When the DVD Walk-up data (0x86) is received from ESS, the [Factory Reset] command (0x7A) is sent to ESS three times.
3) Then the program version is sent to the system, which appears on the LCD for at least 2 seconds as “DVD Ver: XXX” Refer to minute data (0 x 21) and second data (0 x 22) from MPEG to obtain the DVD program version number.
4) “COMPLETE” appears on the LCD for 1 second.
5) The DVD unit is turned off and then the power turns off.

8.2. Supplementary Note

1. Send Factory reset command to ESS then you can see something like “VER: 4.1.31.1 SRC-ER2-0.52” on the TV screen. The last 3 digit 00x means firmware version.

   For example, 001=Ver#0.01, 101=Ver#1.01 etc.)

   The same data as “title (41)”, “chapter (31)”, “minute (00)”, “second (0x)” will be sent to system micom side.

9. Test mode for changer manual operation

DISC1+FUNCTION+POWER button. Then press DISC5 button.

1. Remote control button operations (while buttons are pressed, the corresponding ports output at “L”.
   i) MODE MOTOR + = “L”
   ii) DRUM MOTOR + = “L”
   iii) BOTH MOTORS + = “L”
   iv) MODE MOTOR - = “L”
   v) DRUM MOTOR - = “L”
   vi) BOTH MOTORS - = “L”
2. Display on the LCD

   DH: * DP: * *; O/I entered value

   LO: * MP: *

   MO: * SH: * #; +/- MOTOR rotation value

PL: * MH: *

UL: * LK: *

DR: *

MO: *

DH: drum cam home

DP: drum cam position

LO: load sw

MP: mode cam position

MO: mode cam encoder pluse

SH: shutter sw

PL: play sw

MH: mode cam home sw

UL: unload sw

LK: drum cam encorder pluse

DR: drum motor

MO: mode motor

10. Aging Mode 1 (Full operation test)

During stand-by press DISC1+FUNCTION+POWER button.

Then press DISC1 button.

Button:

1) Normal: D1-D5, OPEN/CLOSE, PLAY, STOP, POWER
2) Aging: PLAY, STOP, POWER

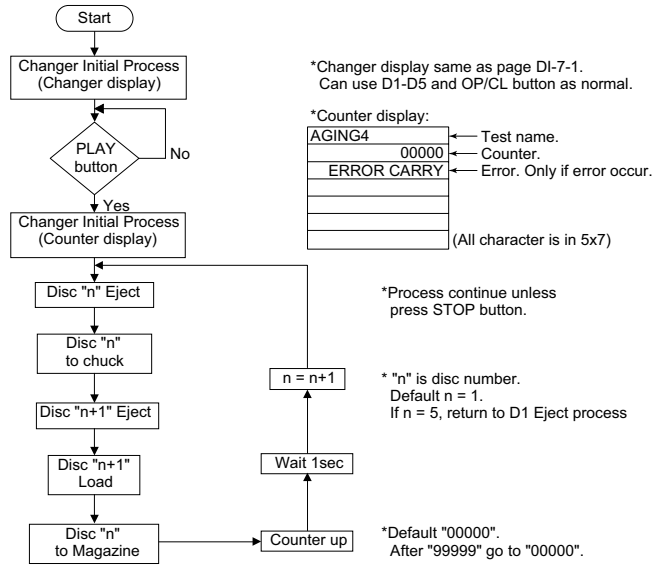
Other button invalid.

All remocon button invalid.

Changer LED function as normal.

V/H sw function as normal.

Error detect function as normal.



1. If press STOP button, aging process stop and counter display as last number.
2. If press PLAY button, counter reset to “00000” and aging process start from first process.
3. If press POWER button, cancel test mode, then power off process.
4. If error occur, aging process stop, counter display as last number and display error.

Aging Display Explanation

AGING 1	← Test Mode name
00000	← Counter display
ERROR CARRY	← Error display
DISC :	← (1)
MODE :	← Mode cam No.
DRUM :	← Drum cam No.
ACT :	← (2)

(1) DISC

Show the aging process (refer flow chart).

If error occur during the process, ERR** will be display.

Operation	Display	
	Normal	Error
Eject with no disc chucking	EJECT	ERR13
From magazine to play	CHUCK	ERR15
Eject with disc chucking	EJECT	ERR17
Loading	LOAD	ERR19
From play to magazine	TO MG	ERR1B

(2) ACT

Show the changer process (refer DH018).

Operation	Display
Eject with no disc chucking	1*
Eject with disc chucking	2*
Load with no disc chucking	3*
Load with disc chucking	4*
From play to magazine	5*
From magazine to play	6*
Drum go to LD/EJ position	D*
Drum go to PLAY position	A*/C*

11. Aging Mode 2 (Roller test)

During stand-by press DISC1+FUNCTION+POWER button.

Then press DISC2 button.

Button:

1) Normal: D1-D5, OPEN/CLOSE, PLAY, STOP, POWER
2) Aging: PLAY, STOP, POWER

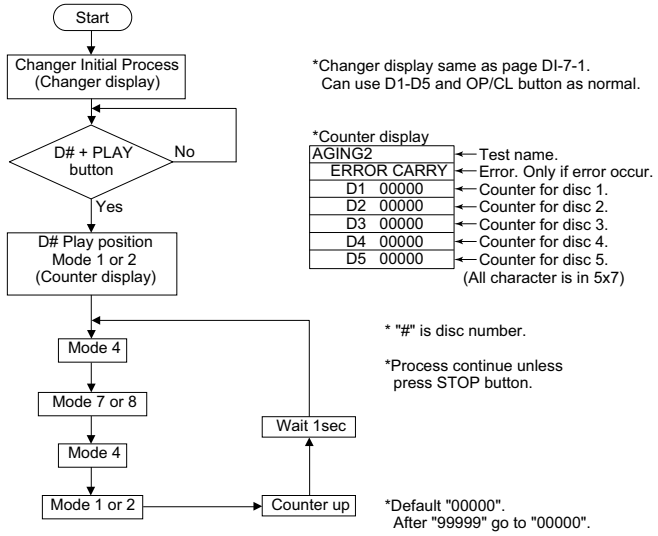
Other button invalid.

All remocon button invalid.

Changer LED function as normal.

V/H sw function as normal.

MODE CAM, LOCK SW, UNLOAD SW, PLAY SW error detect function as normal.


Start
Changer Initial Process (Changer display)
D# + PLAY button
No
Yes
D# Play position Mode 1 or 2 (Counter display)
Mode 4
Mode 7 or 8
Mode 4
Mode 1 or 2
Wait 1sec
Counter up
*Changer display same as page DI-7-1.
Can use D1-D5 and OP/CL button as normal.
*Counter display
AGING2 ← Test name.
ERROR CARRY ← Error. Only if error occur.
D1 00000 ← Counter for disc 1.
D2 00000 ← Counter for disc 2.
D3 00000 ← Counter for disc 3.
D4 00000 ← Counter for disc 4.
D5 00000 ← Counter for disc 5.
(All character is in 5x7)
* "#" is disc number.
*Process continue unless press STOP button.
*Default "00000".
After "99999" go to "00000".

1. Start aging D1 if press PLAY button only.
2. If press D# + PLAY button, cam return to mode 1, then start aging process for selected disc.
3. If press STOP button, aging process stop and all counter display as last number.
4. If press POWER button, cancel test mode, then power off process.
5. If error occur, aging process stop, all counter display as last number and display error.

12. Aging Mode 3 (Mode cam test)

During stand-by press DISC1+FUNCTION+POWER button.

Then press DISC3 button.

Button:

Normal aging

1) D1-D5, OPEN/CLOSE, PLAY, STOP, POWER
2) D1-D5, PLAY, STOP, POWER

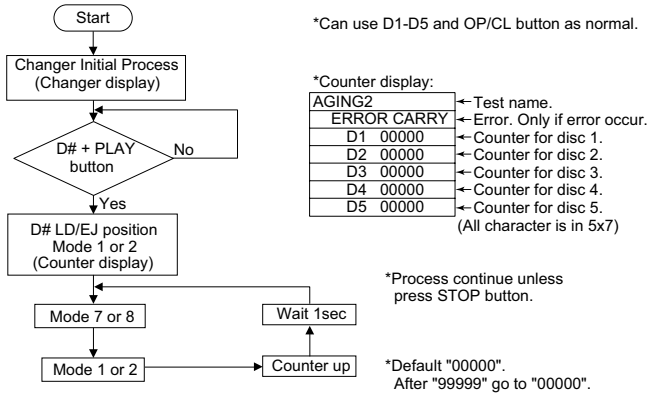
Other button invalid.

All remocon button invalid.

Changer LED function as normal.

V/H sw function as normal.

MODE CAM, LOCK SW, LOAD SW, SHUTTER SW error detect function as normal.


Start
Changer Initial Process (Changer display)
D# + PLAY button
No
Yes
D# LD/EJ position Mode 1 or 2 (Counter display)
Mode 7 or 8
Mode 1 or 2
Wait 1sec
Counter up
*Can use D1-D5 and OP/CL button as normal.
*Counter display:
AGING2 ← Test name.
ERROR CARRY ← Error. Only if error occur.
D1 00000 ← Counter for disc 1.
D2 00000 ← Counter for disc 2.
D3 00000 ← Counter for disc 3.
D4 00000 ← Counter for disc 4.
D5 00000 ← Counter for disc 5.
(All character is in 5x7)
*Process continue unless press STOP button.
*Default "00000".
After "99999" go to "00000".

1. Start aging D1 if press PLAY button only.
2. If press D# + PLAY button, cam return to Mode 1, then start aging process for selected disc.
3. If press STOP button, aging process stop and all counter display as last number.
4. If press POWER button, cancel test mode, then power off process.
5. If error occur, aging process stop, all counter display as last number and display error.

13. Aging Mode 4 (Drum cam test)

During stand-by press DISC1+FUNCTION+POWER button.

Then press DISC4 button.

Button:

PLAY, STOP, POWER

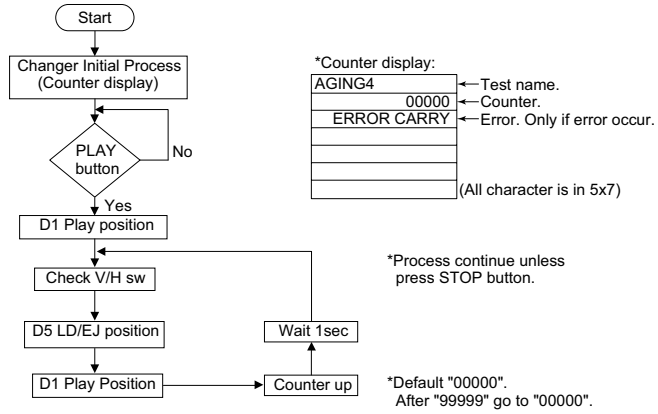
Other button invalid.

All remocon button invalid.

Changer LED function as normal.

V/H sw function as normal.

DRUM CAM error detect function as normal.



1. If press STOP button, aging process stop and counter display as last number.
2. If press PLAY button, counter reset to “00000”and aging process start from first process.
3. If press POWER button, cancel test mode, then power off process.
4. If error occur, aging process stop, counter display as last number and display error.

14. CH DVD Update TEST Mode (with changer)

1) The power turns on with the DVD function active and DVD unit start-up process performed.
2) Set at DISC1. Only EJECT and PLAY button valid.
3) Insert the update disc and press PLAY button. When PLAY button is pressed, system micom side will send 0 x 87 command.
4) Wait for 0 x 40 status from ESS side.
5) After received 0 x 40 status, send 0 x 87 command.

   At this time TR code is fix to 0 means that only POWER button is valid.
6) During updating the OSD (TV display) will show WRITE/ERASE frequently and lastly DONE displayed.

   Meaning the DVD update process is complete.
7) Next, press POWER button. The POWER code is sent to ESS to turn off DVD unit only. At the same time DISC1 will eject.
8) After 1 sec. DVD unit turn off, it will turn on again to performed factory reset process.
9) The process is same as DVD FACTRY RESET test, display on LCD.
10) When DVD Ver: xxxxx, AC OFF the set.

    If the process is incomplete the ERROR will be display.

15. ASPM TEST Mode

15.1. TEST Mode Operation

1) The power turns on with TUNER function at 106.50 MHz (FM STEREO).
2) Preset 4 ~ 40 is ready preset memorized at 87.50 MHz (Preset 1 ~ 3 is blank).
3) With ASPM key press, scanning for RDS station will begin from 105.00 MHz to 108.00 MHz.
4) After scanning end “END” will be displayed for 3 second.

15.2. Supplementary Notes

1) If there are no preset memorized “0 memory” will be displayed before “END” is display.
2) If 3 RDS station is memorized during scanning, scan will stop immediately before reaching 108.00 MHz frequency.

[4] Description on the Circuits of the 1-Bit Unit (See the wiring diagrams on pages 6-23, 6-24.)

1. Input Part

Signals input from BIA201 are input to the AD conversion IC (ICA100, ICA200 and ICA300) coupled by “CA100, CA200 and CA300” and “CA101, CA201 and CA301”.

2. ΔΣ Modulation 1-Bit Converter

Signals input to the AD conversion ICs (ICA100, ICA200 and ICA300) are converted into 1-bit signals for differential output. For detailed description of the conversion into 1-bit signals, refer to the Technical Manual for SM-SX100 already published.

3. Low Pass Filter Circuit

The 1-bit signals switched at the output ICs (ICA101, ICA102, ICA201, ICA202, ICA301 and ICA302) are converted into analog signals by passing through the low pass filter consisting of LA104 to LA107, LA204 to LA207, LA304 to LA307 and CA114 to CA117, CA214 to CA217, CA314 to CA317.

The property of low pass filter is flat up to 20 kHz and attenuated at approx. 40 kHz by approx. 3 dB.

4. Dynamic Feedback Circuit

The 1-bit signals switched at the output ICs (ICA101, ICA102, ICA201, ICA202, ICA301 and ICA302) are amplified between plus power and GND.

By resistive division, the 1-bit signals pass through 75 kΩ of NF resistance (RA155 to RA158, RA255 to RA258, RA355 to RA358) and are fed back to the AD conversion IC (ICA100, ICA200, ICA300). P-P voltage at this time is approx. 5 V.

[5] Confirming and Canceling the Detection Line of the Protect Circuit

1. When power is on, the microcomputers (IC701) installed in this model continuously monitor the following abnormal operations. If any abnormality occurs, all power except for the circuit driving these microcomputers are cut off immediately.
   1) An abnormal drop in the regulator output voltage.

      (Power cut off immediately without any display when the voltage falls below approx. 1.5 V.)
   2) Excessive output offset of the 1-bit amplifier.

      (Power cut off immediately after direct current potential exceeds approx. 2 V.)
   3) Excessive main power supply current of the 1-bit amplifier.

      (Power cut off immediately without any display when direct current exceeds approx. 5.5 A.)
   4) Abnormalities detected in the cooling fan motor and its drive circuit. (Stop, etc.)

      Power cut off after “FAN LOCK” displayed.
2. How the microcomputers judge abnormalities and confirming and canceling the detection line.

   Conditions:
   1) Abnormalities detected according to the voltages on pin 91 of IC701 (PROTECT).
   2) An abnormality detected when pulse signals input to pin 93 (FAN LOCK) of IC701 are lost for 5 sec.
3. Confirming and canceling the detection line.

CAUTION: Even if abnormalities mentioned in steps 1) and 2) above are detected, the microcomputers do not operate protection when their PROTECT lines are cut off. In the case of abnormalities caused by short circuit of the regulator, parts or PWBs may burn out. Do not cut off the detection line if short circuit is not detected.

1) If an abnormal drop in the regulator output voltage is detected, connect the measuring instrument (the oscillograph, etc.) to the regulator stabilized output and then turn on the power of the set.

   When the output voltage is significantly lower than the stabilized output voltage shown in the circuit diagram, the regulator itself and its destination circuit are doubtful.
2) Excessive output offset of the 1-bit amplifier is detected, remove CNPA402 and then turn on the power of the set for normal operation.
   - After repairing, adjust the output offset voltage of the 1-bit amplifier.

[6] Protect Circuit Explanation

<Function>

① DC Offset Det.

② Over Current Det.

③ Temp Over Det.

④ DC Offset/Over Current Circuit at output short before Power ON

⑤ DC Offset/Over Current Circuit at output short after SP Relay ON

⑥ Temp Over Circuit

<Detail>

1. When DC level is unbalance between Lch and Rch, transistor QA409 turn on and drive ④, ⑤ circuit.

   Unbalance Condition:

   Normally, QA409 “B” and “E” is same voltage.

   When one SP OUTPUT (R+, R-, L+ or L-) is short to chassis, ①-1, ①-2 point voltage is half (1/2 x SP OUTPUT DC LEVEL).

   So, QA409 turn on.

   When Lch and Rch are short to chassis at same time, this circuit don’t work.

   Because unbalance condition is not happened.

2. When VBB line current is so much, resistor RA415 voltage drop is much.

   So, QA400 turn on.

3. Posistor PSA405 resistance value increase at high tempature.

   So, DA415 anode voltage is decreased.

4. Refer to CHART “1”

   This is normal timing chart at 1-bit amp. part of AS10.

   SP OUTPUT DC LEVEL is about 0V → 6V → 20V at timing A → B →C, D.

   This circuit work at timing A → B change.

   This timing is speaker output short to chassis before power on.

   Speaker output is only (L-) and (R-).

   (L+) and (R+) is through speaker relay point.

   So, no concern this short at power on timing.

   When short to chassis, DC level is unbalance at timing B.

   Circuit ① QA409 drive circuit ④.

   QA422 ON > QA421 OFF > QA420 ON > ICA100 RESET (21 pin) low > SLA5515 output FET OFF > Short current OFF.

   “QA420 ON” continue until “1-BIT PROTECT” able timing, then μcom detect “1-BIT PROTECT” is low, then μcom change into power off mode.

5. Refer to CHART “1”

   This is normal timing chart at 1-bit amp. part of AS10.

   SP OUTPUT DC LEVEL is about 0V → 6V → 20V at timing A → B →C, D.

   This circuit work at timing D.

   This timing is speaker output short to chassis or other polarity output after speaker relay on.

   When short to chassis. DC level is unbalance at timing D.

   Circuit ① QA409 drive circuit ⑤.

   When short to other polarity output, VBB line current is so much.

   Resistor RA415 voltage drop is much.

   Circuit ② QA400 drive circuit ⑤.

   QA424 ON > QA408 ON > +D5V is supplied to QA423 BASE > QA423 ON > QA420 ON > ICA100 RESET (21 pin) low > SLA5515 output FET OFF > Short current OFF.

   QA423 ON > Pull QA408 BASE current – – – This circuit is latch.

   When QA424 change off, this latch circuit keep “QA408 ON & QA423 ON”.

   So, “QA420 ON > ICA100 RESET (21 pin) low > SLA5515 output FET OFF > Short current OFF” is keeped.

   Then μcom detect “1-BIT PROTECT” by QA410 or QA420 and change into power off mode.

   This circuit work is controlled by QA427 & QA411.

   +D5V is supplied at speaker relay on only. Because prevent fault action.

   Circuit ⑤ protect response is faster than μcom “1-BIT PROTECT” detection.

   μcom “1-BIT PROTECT” detection expend long time.

6. When set temperature rise, circuit ③ work to drive circuit ⑥ QA412.

   QA412 ON > QA413 ON > μcom detect “PROTECT” > μcom change into power off.

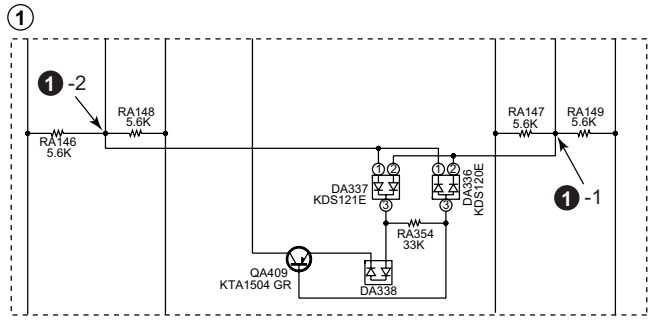
<Attention>

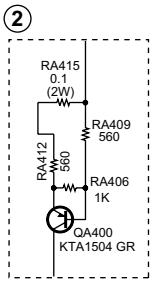
①: Don’t mistake capacitor CA193, CA192 0.001μF.
When capacitance is more large, response is delay.
Can’t PROTECT IC.

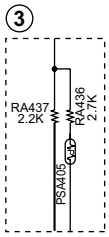
③ / ⑥: Confirm fault action at high temperature aging.
Don’t work at aging.
This circuit work at abnormal condition.

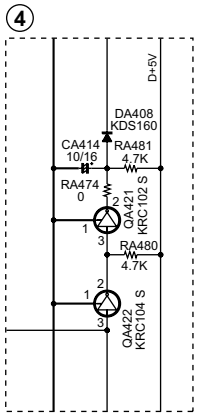
④: Confirm work at (L-) or (R-) short to chassis.

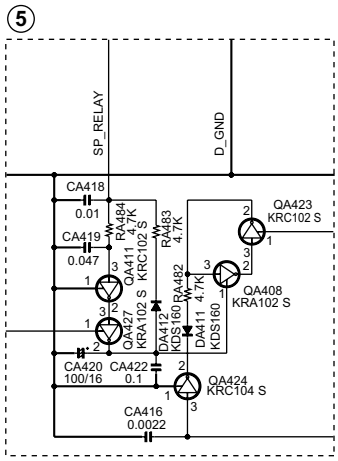
⑤: Confirm work at short after speaker relay on.
Confirm latch circuit – – – We already confirmed this circuit by your DC voltage information (Result is OK).

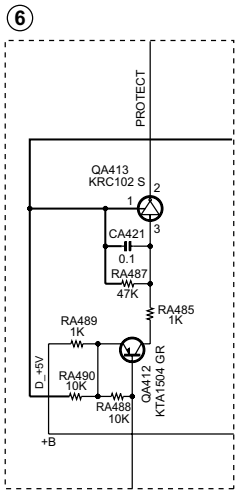





③
RA437
2.2K
RA436
2.7K
PSA405


④
D+5V
DA408
KDS160
CA414
10/16
RA481
4.7K
RA474
0
QA421
KRC102 S
RA480
4.7K
QA422
KRC104 S


⑤
SP_RELAY
D_GND
CA418
0.01
CA419
0.047
RA484
4.7K
QA411
KRC102 S
RA483
4.7K
QA423
KRC102 S
QA427
KRA102 S
DA412
KDS160
RA482
4.7K
DA411
KDS160
QA408
KRA102 S
CA420
100/16
CA422
0.1
QA424
KRC104 S
CA416
0.0022


⑥
PROTECT
QA413
KRC102 S
CA421
0.1
RA487
47K
RA485
1K
RA489
1K
D_+5V
RA490
10K
QA412
KTA1504 GR
RA488
10K
+B

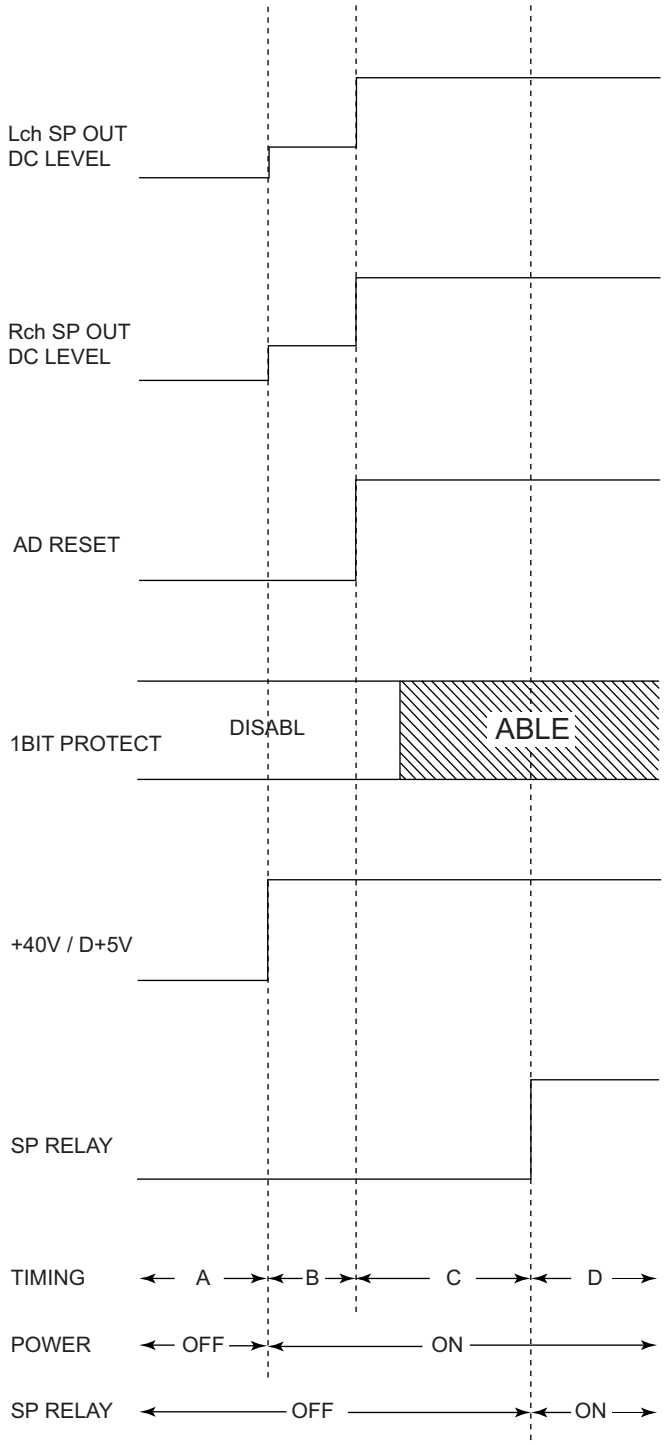

Lch SP OUT
DC LEVEL
Rch SP OUT
DC LEVEL
AD RESET
1BIT PROTECT
DISABL
ABLE
+40V / D+5V
SP RELAY
TIMING
A
B
C
D
POWER
OFF
ON
SP RELAY
OFF
ON

CHART. 1

CHAPTER 3. MECHANISM BLOCKS

[1] Caution on disassembly

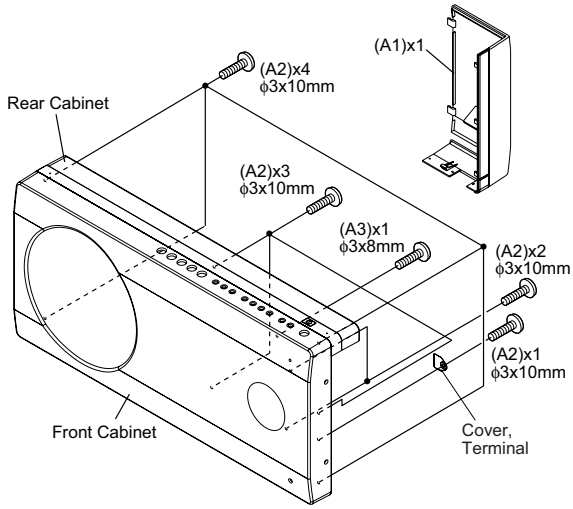
Caution on Disassembly

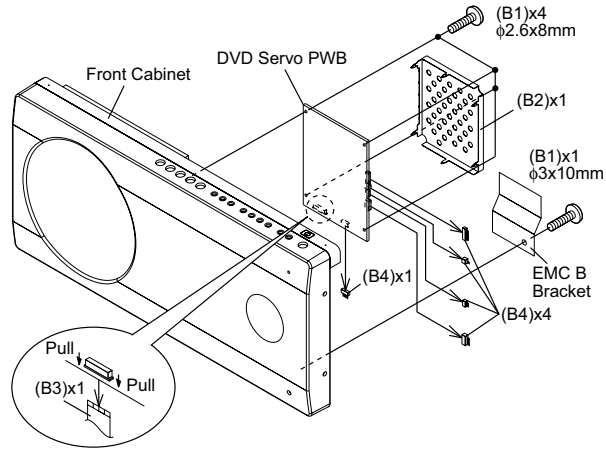
Follow the below-mentioned notes when disassembling the unit and reassembling it, to keep it safe and ensure excellent performance:

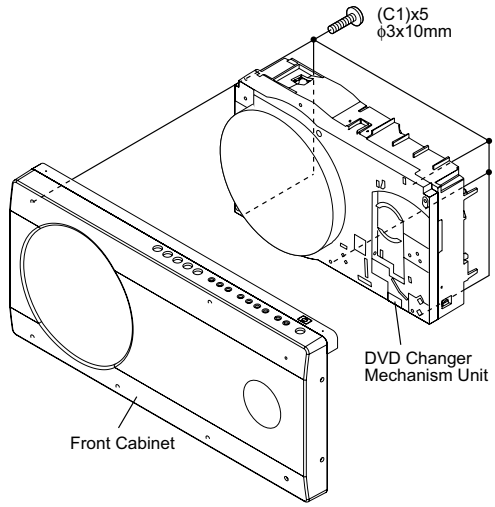
1. Take DVD and compact disc out of the unit.
2. Be sure to remove the power supply plug from the wall outlet before starting to disassemble the unit.
3. Take off nylon bands or wire holders where they need to be removed when disassembling the unit. After servicing the unit, be sure to rearrange the leads where they were before disassembling.

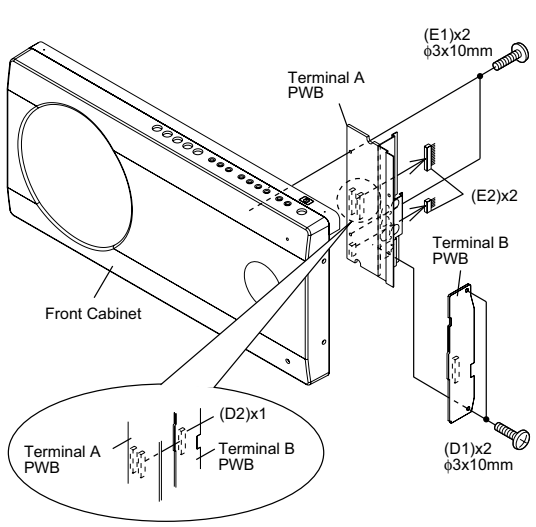
SD-AS10H (MAIN UNIT)

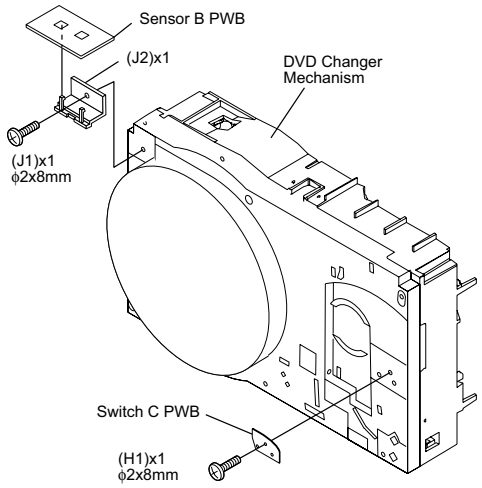
STEP	REMOVAL	PROCEDURE
1	Rear Cabinet	1. Terminal Cover ..... (A1) x1 2. Screw ..... (A2) x10 3. Screw ..... (A3) x1
2	DVD Servo PWB	1. Screw ..... (B1) x5 2. Shield Plate ..... (B2) x1 3. Flat Cable ..... (B3) x1 4. Socket ..... (B4) x5
3	DVD Changer Mechanism Unit	1. Screw ..... (C1) x5 2. Socket ..... (C2) x2
4	Terminal B PWB	1. Screw ..... (D1) x2 2. Socket ..... (D2) x1
5	Terminal A PWB	1. Screw ..... (E1) x2 2. Socket ..... (E2) x2
6	Display PWB	1. Screw ..... (F1) x2 2. Main Chassis ..... (F2) x1 3. Screw ..... (F3) x5 4. Socket ..... (F4) x3
7	Switch A PWB	1. Screw..... (G1) x5 2. Screw..... (G2) x5
8	Switch C PWB	1. Screw..... (H1) x1
9	Sensor B PWB	1. Screw ..... (J1) x1 2. Holder ..... (J2) x1
10	Sensor A PWB/ Switch B PWB	1. Screw ..... (K1) x1 2. Switch Lever Lift Arm ..... (K2) x1 3. Spring ..... (K3) x2 4. Lever ..... (K4) x1 5. Screw ..... (K5) x3 6. Screw ..... (K6) x1
11	DVD Mechanism	1. Screw ..... (L1) x6 2. Top Plate ..... (L2) x1 3. Screw ..... (L3) x4 4. Socket ..... (L4) x1
12	Drum Motor PWB with Drum Motor	1. Screw ..... (M1) x3 2. Cover ..... (M2) x1 3. Screw ..... (M3) x2 4. Screw ..... (M4) x1

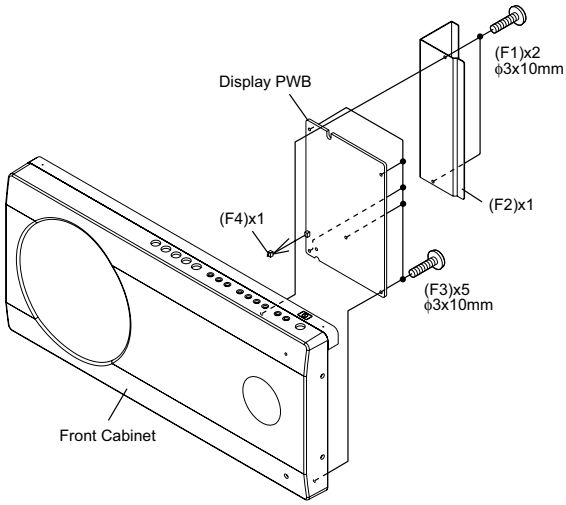


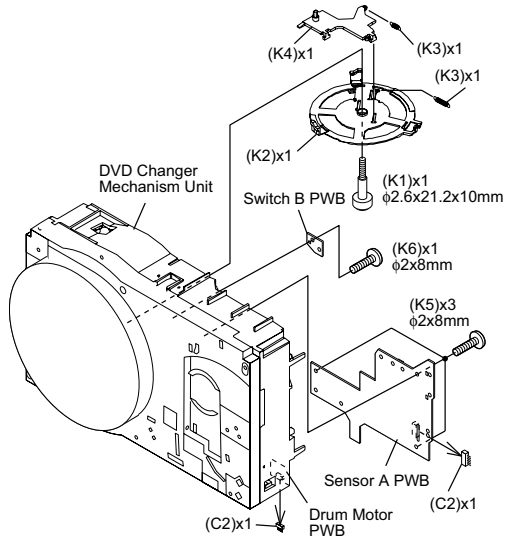


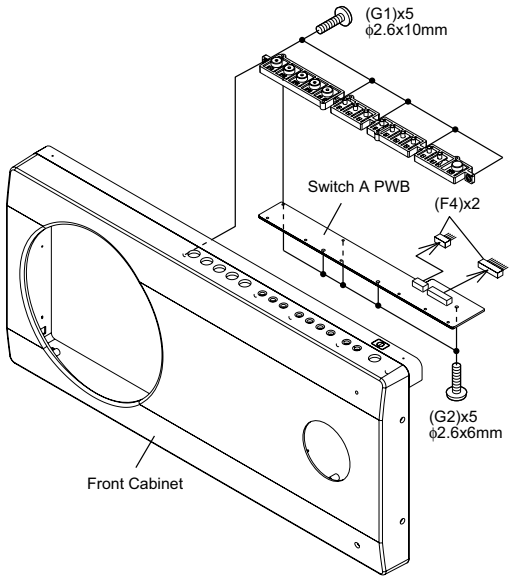


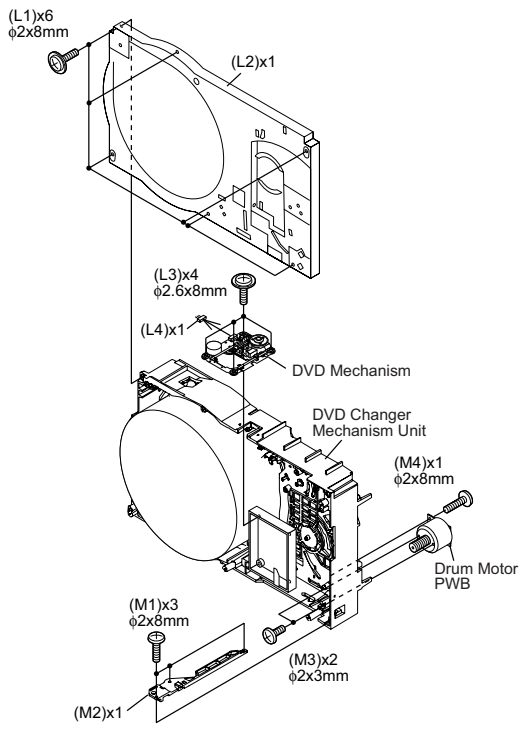

(E1)x2
ϕ3x10mm
Terminal A
PWB
(E2)x2
Terminal B
PWB
Front Cabinet
(D2)x1
Terminal A
PWB
Terminal B
PWB
(D1)x2
ϕ3x10mm


Sensor B PWB
(J2)x1
DVD Changer
Mechanism
(J1)x1
ϕ2x8mm
Switch C PWB
(H1)x1
ϕ2x8mm


(F1)x2
ϕ3x10mm
Display PWB
(F2)x1
(F4)x1
(F3)x5
ϕ3x10mm
Front Cabinet

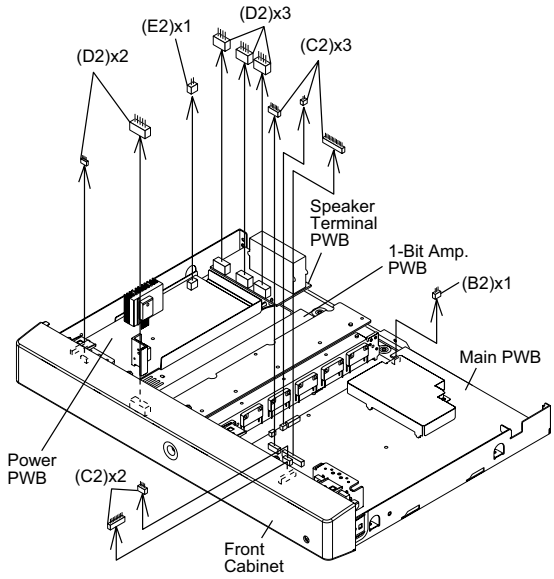

(K4)x1
(K3)x1
(K3)x1
(K2)x1
DVD Changer
Mechanism Unit
Switch B PWB
(K1)x1
ϕ2.6x21.2x10mm
(K6)x1
ϕ2x8mm
(K5)x3
ϕ2x8mm
Sensor A PWB
(C2)x1
(C2)x1
Drum Motor
PWB

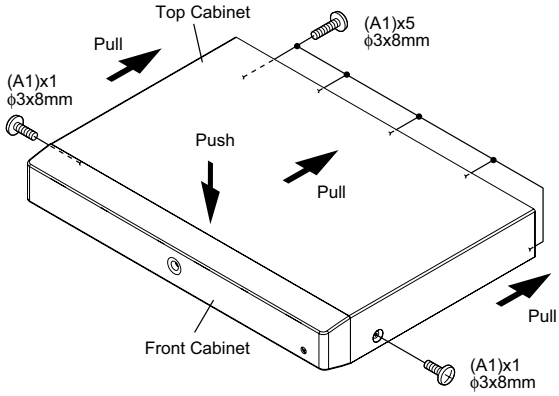

(G1)x5
ϕ2.6x10mm
Switch A PWB
(F4)x2
(G2)x5
ϕ2.6x6mm
Front Cabinet

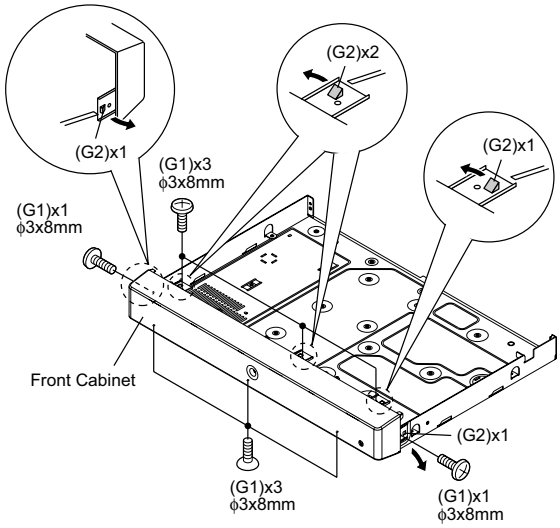

(L1)x6
ϕ2x8mm
(L2)x1
(L3)x4
ϕ2.6x8mm
(L4)x1
DVD Mechanism
DVD Changer
Mechanism Unit
(M4)x1
ϕ2x8mm
Drum Motor
PWB
(M1)x3
ϕ2x8mm
(M3)x2
ϕ2x3mm
(M2)x1

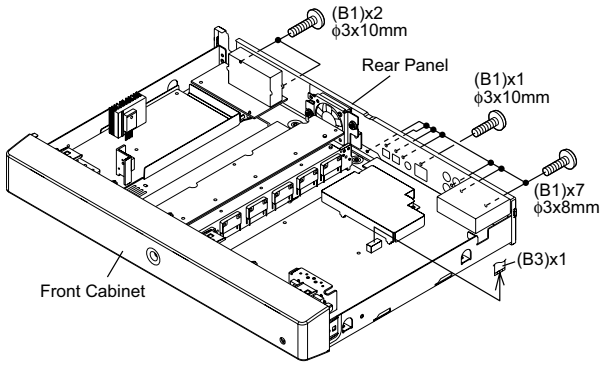
SD-AS10H (AMP UNIT)

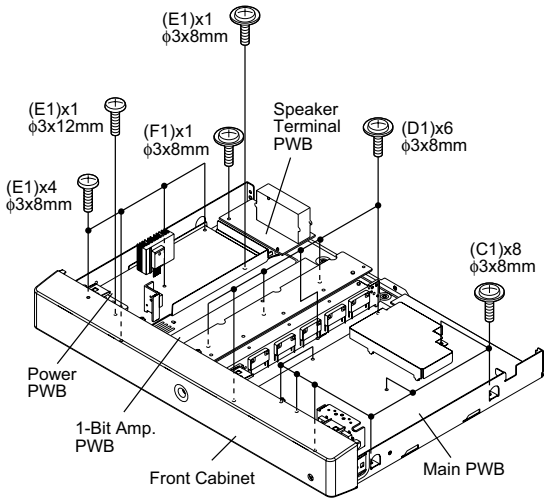
STEP	REMOVAL	PROCEDURE
1	Top Cabinet	1. Screw ..... (A1) x7
2	Rear Panel/ Fan Motor/ Tuner Unit	1. Screw ..... (B1) x10 2. Socket ..... (B2) x1 3. Flat Cable ..... (B3) x1
3	Main PWB	1. Screw ..... (C1) x8 2. Socket ..... (C2) x5
4	1-Bit Amp. PWB	1. Screw ..... (D1) x6 2. Socket ..... (D2) x5
5	Power PWB	1. Screw ..... (E1) x6 2. Socket ..... (E2) x1
6	Speaker Terminal PWB	1. Screw .....(F1) x1
7	Front Cabinet	1. Screw..... (G1) x8 2. Hook ..... (G2) x5
8	LED A PWB	1. Screw..... (H1) x2

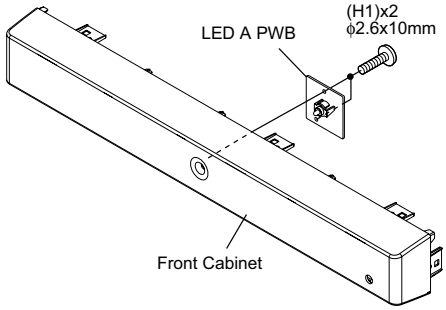






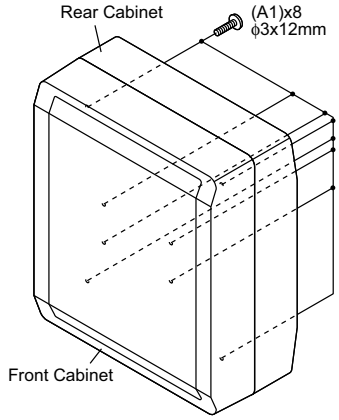


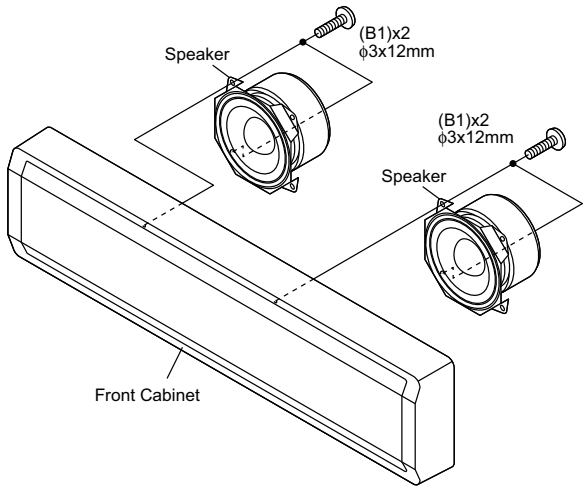


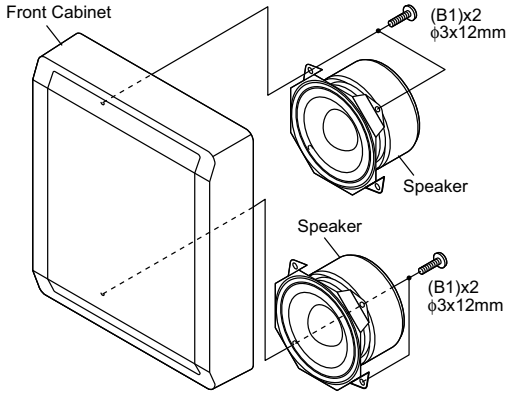


CP-AS10HF/CP-AS10HR

STEP	REMOVAL	PROCEDURE
1	Rear Cabinet	1. Screw ..... (A1) x8
2	Speaker	1. Screw ..... (B1) x4

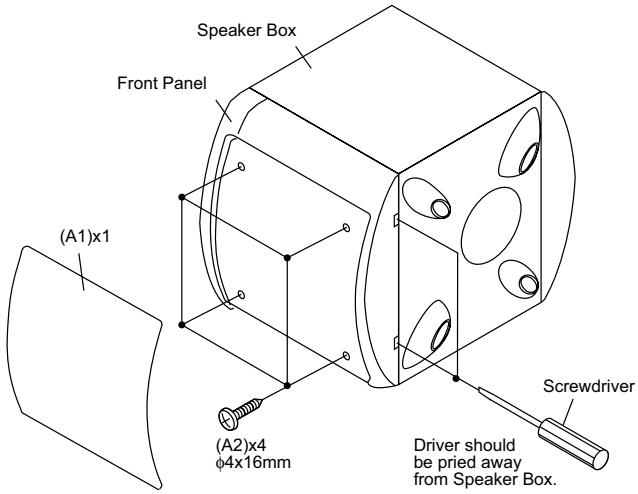






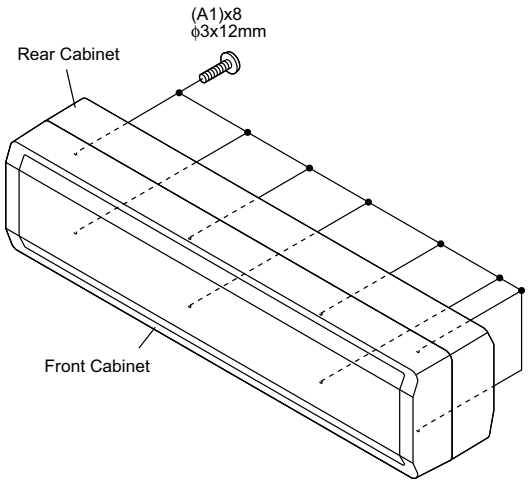
CP-AS10HSW

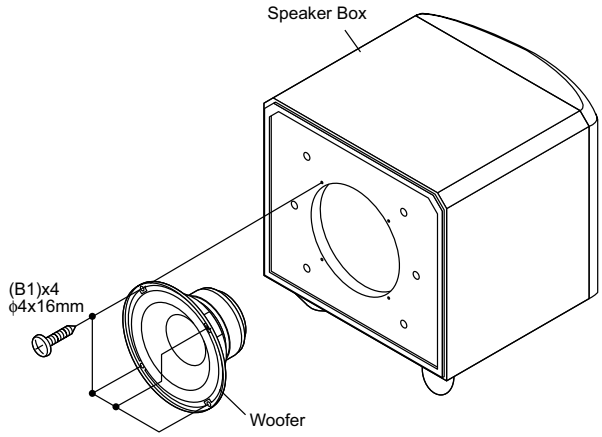
STEP	REMOVAL	PROCEDURE
1	Front Panel	1. Net Frame Ass'y ..... (A1) x1 2. Screw ..... (A2) x4
2	Woofer	1. Screw ..... (B1) x4



CP-AS10HC

STEP	REMOVAL	PROCEDURE
1	Rear Cabinet	1. Screw ..... (A1) x8
2	Speaker	1. Screw ..... (B1) x4

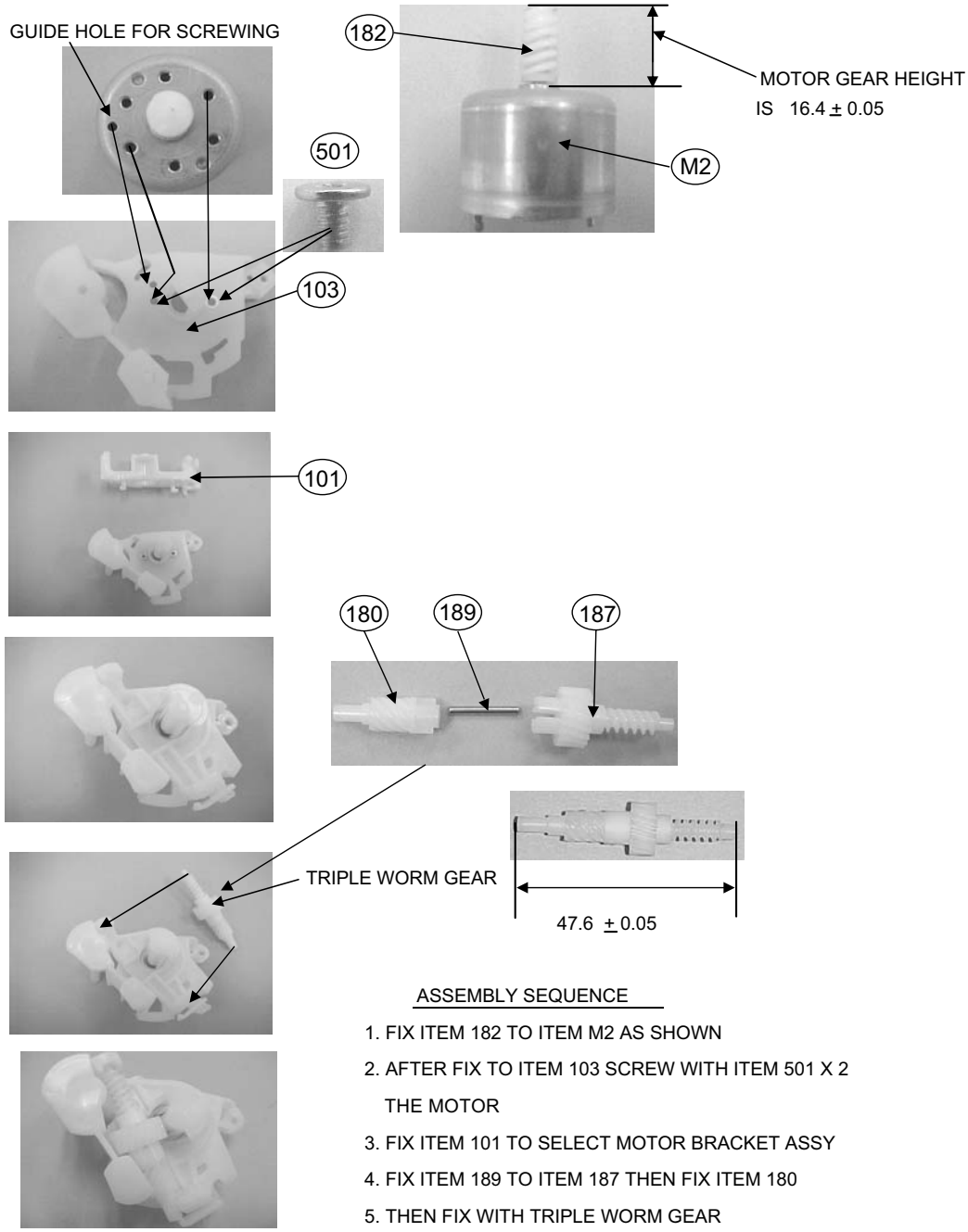




[2] DVD Changer mechanism section

- A number in the drawing sheet is the number of the parts guide (DVD CHANGER MECHANISM PARTS).

1



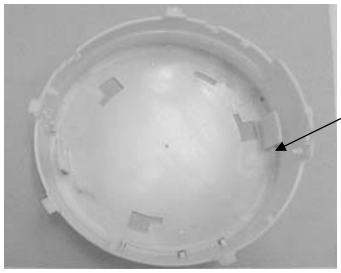
ASSEMBLY SEQUENCE

1. FIX ITEM 182 TO ITEM M2 AS SHOWN
2. AFTER FIX TO ITEM 103 SCREW WITH ITEM 501 X 2 THE MOTOR
3. FIX ITEM 101 TO SELECT MOTOR BRACKET ASSY
4. FIX ITEM 189 TO ITEM 187 THEN FIX ITEM 180
5. THEN FIX WITH TRIPLE WORM GEAR

NOTE:

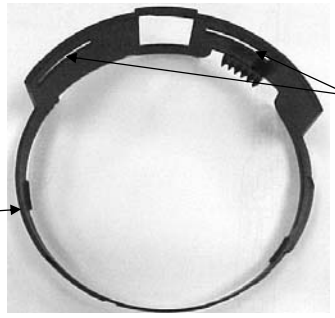
1. AFTER FIX SELECT MOTOR ARM & TRIPLE WORM GEAR MAKESURE CAN MOVE & ROTATE FREELY
2. INSERT FORCE FOR ITEM 180, 189, 187 ARE 1 ± 0.1 kg

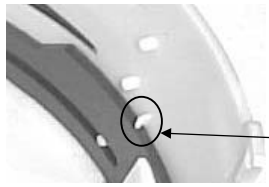
2



ASSEMBLY SEQUENCE

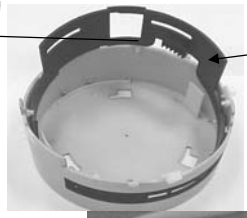
1. FIX ITEM 121 TO ITEM 108 THEN FIX WITH ITEM 164





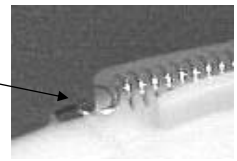
NOTE :

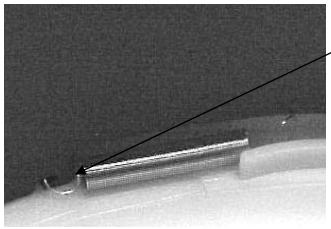
1. MAKESURE SPRING HOOK PROPELY INTO SLOT
2. DAMAGE SPRING CANNOT USE BACK
3. MAKESURE NO DAMAGE TO THE HOOK AFTER FIX EJECT LINK A (BOTH HOOK)

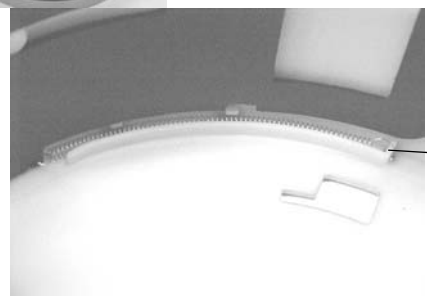


EJECT LINK A MUST FREELY ROTATE AFTER FIX TO HOOD

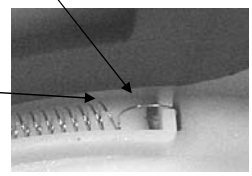
OTHER THEN THIS DIRECTION N.G



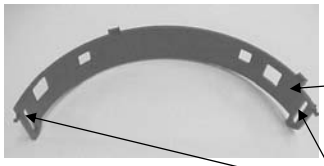


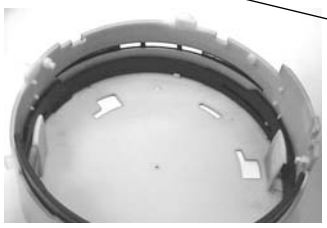


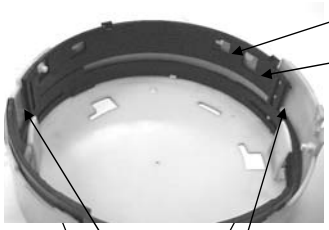
OTHER THEN THIS DIRECTION N.G

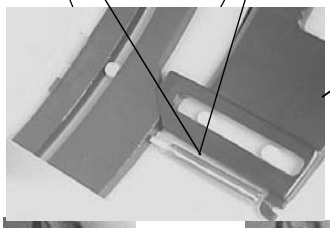


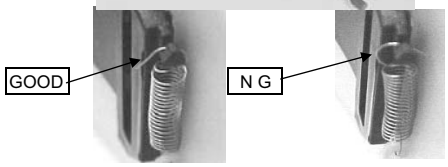
3

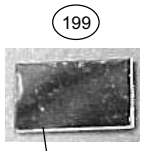


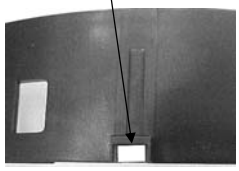






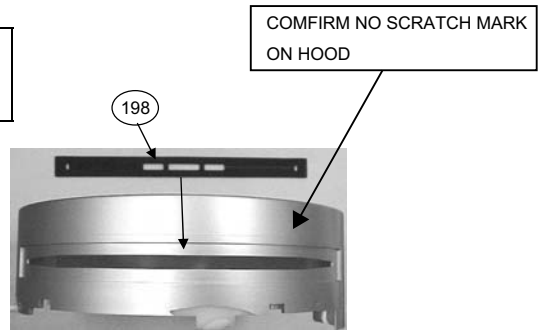






ASSEMBLY SEQUENCE

1. FIX ITEM 137 TO HOOD SUB-ASSY
2. FIX ITEM 167 X 2 TO HOOD SUB-ASSY
3. FIX ITEM 198 TO HOOD SUB-ASSY
4. FIX ITEM 199 X 2 TO SHUTTER



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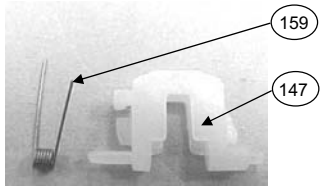
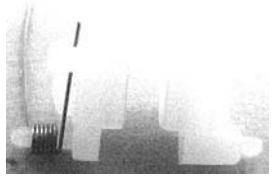
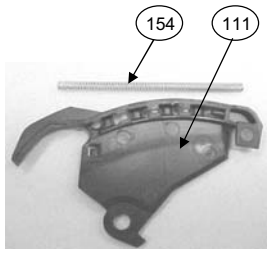
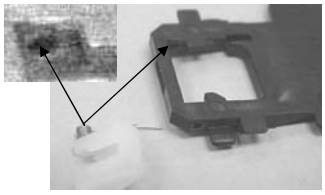


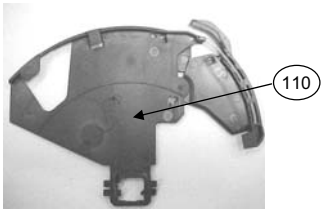
ASSEMBLY SEQUENCE

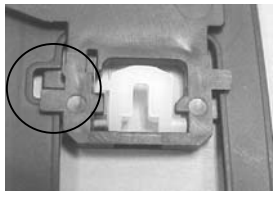
1. FIX ITEM 159 TO ITEM 147
2. FIX ITEM 154 TO ITEM 111
3. FIX THE BOTH ASSY PART WITH ITEM 110

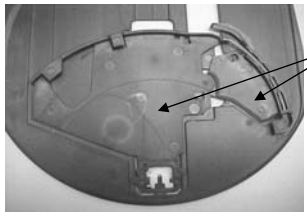






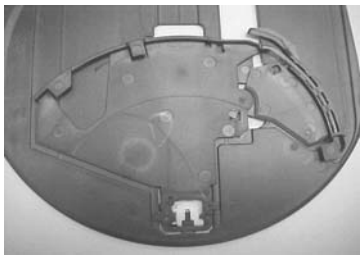






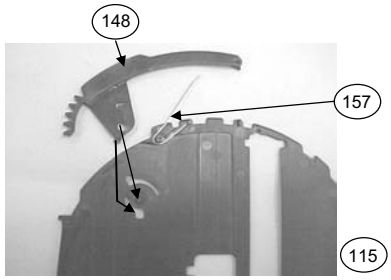
AFTER FIX TO PARTITION PLATE
DISC TRAY & DISC SELECT TRAY
MUST FREE DROP

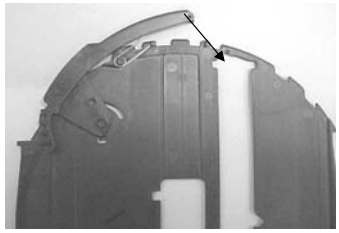
5

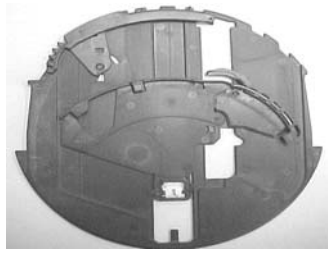


ASSEMBLY SEQUENCE

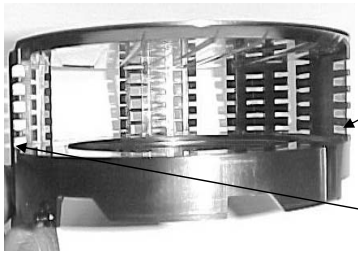
1. FIX ITEM 148 & 157 TO ITEM 115



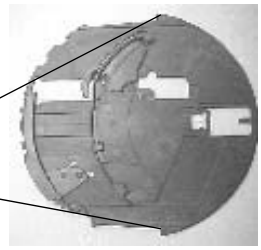




6

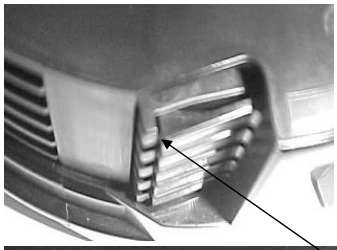


PARTITION PLATE ASSY



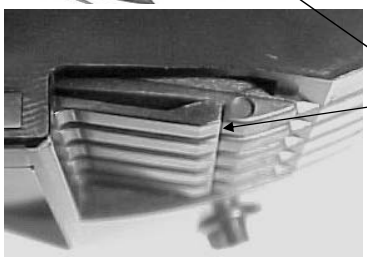
ASSEMBLY SEQUENCE

1. FIX PARTITION PLATE ASSY TO ITEM 107 X 5

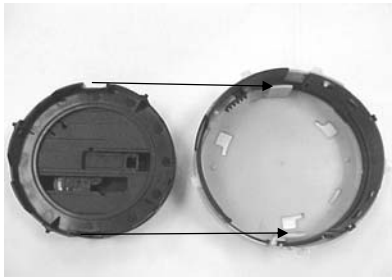


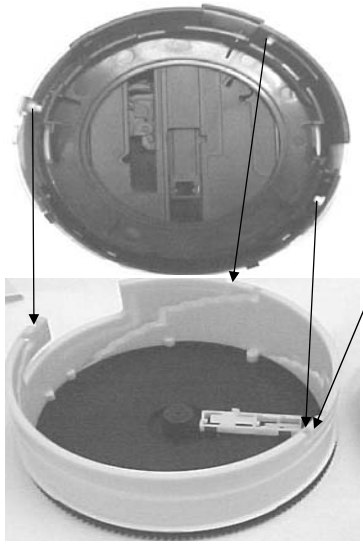
The color of the products is white.

107

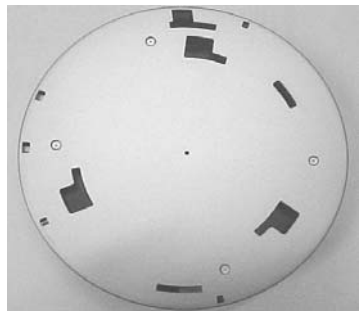


AFTER FIX MUST CONFIRM
ALL POINT LOCKED

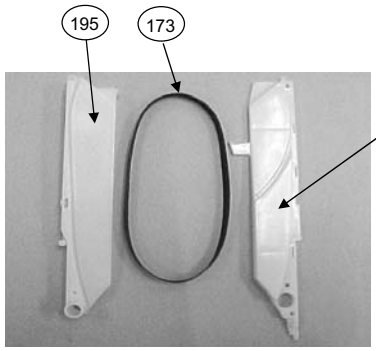


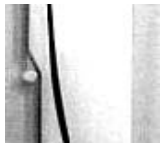


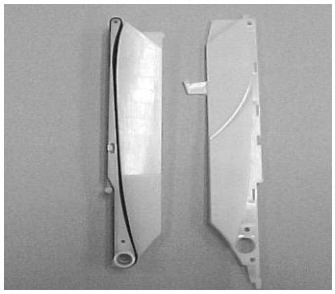
ALL 3 BOSS MUST SLOT
INTO OUT SIDE SLOT

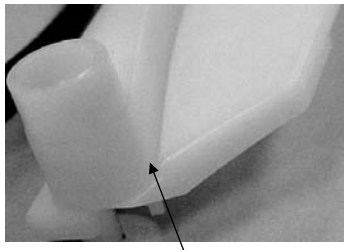


7

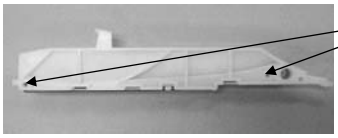








MUST ARRANGE BELT INSIDE CURVE

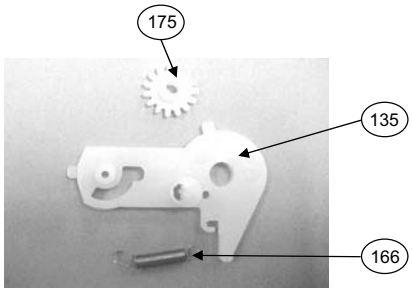


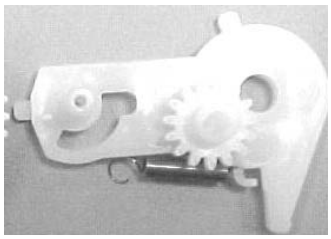
The color of the products is black.

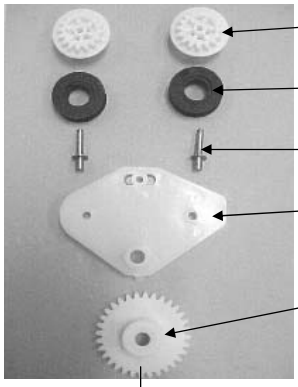
ASSEMBLY SEQUENCE

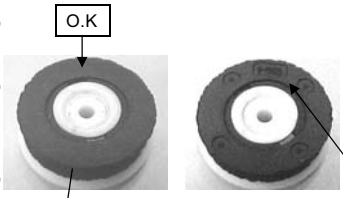
1. FIX ITEM 173 TO ITEM 195 THEN FIX ITEM 196
2. AFTER ASSY SCREW WITH ITEM 508

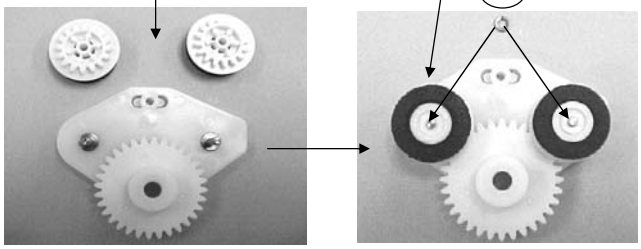
8

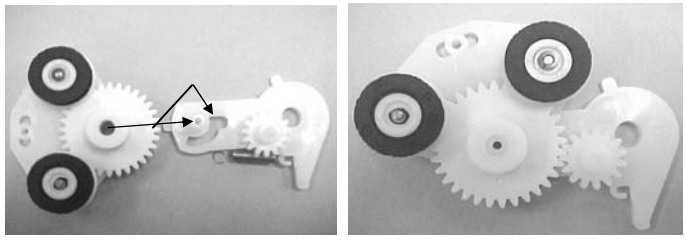












ASSEMBLY SEQUENCE

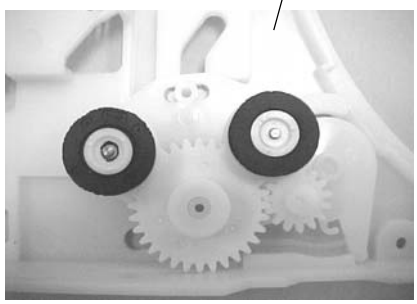
1. FIX ITEM 175 TO ITEM 135 THEN FIX ITEM 166
2. FIX ITEM 191 TO ITEM 109 THEN ITEM 176
3. FIX ITEM 177 TO ITEM 194
4. FIX ITEM 505 X 2 TO ROLLER SUB ASSY

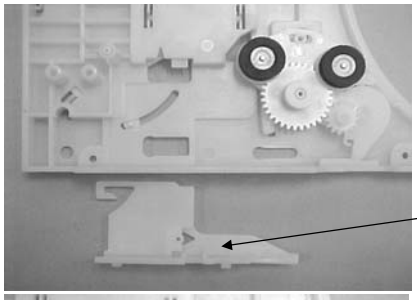
NOTE :

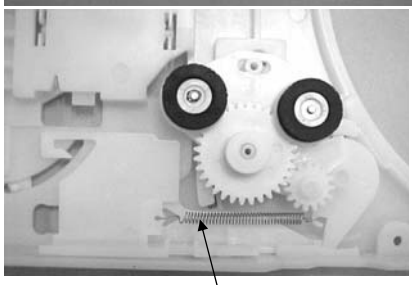
1. AFTER FIX MAKESURE ALL GEAR & ROLLER CAN ROTATE FREELY
2. ITEM 191 TO 109 INSERT FORCE MUST BE WITHIN 3 kg ~ 10 kg .

9

The color of the products is black.



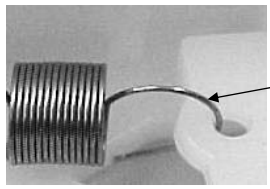


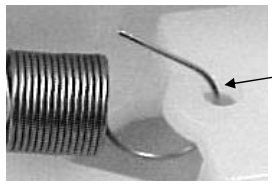


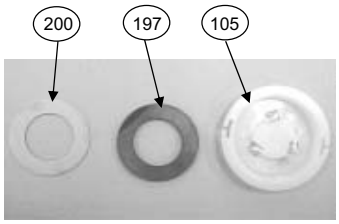
FIX THE SPRING AS SHOWN

ASSEMBLY SEQUENCE

1. FIX ITEM 136 TO TOP PLATE ASSY



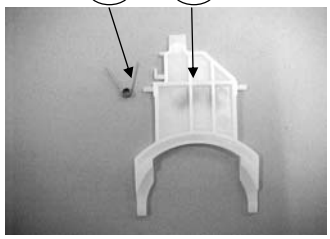




ASSEMBLY SEQUENCE

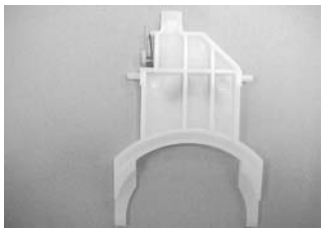
1. FIX ITEM 200 & 197 TO ITEM 105
2. THEN FIX WITH TOP PLATE AS SHOWN

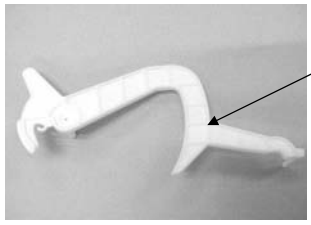
10



ASSEMBLY SEQUENCE

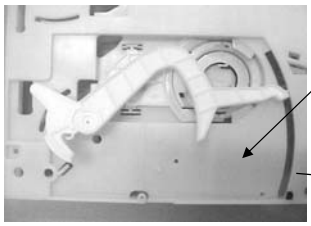
1. FIX ITEM 155 TO ITEM 146
2. AFTER THAT FIX TO TOP PLATE ASSY

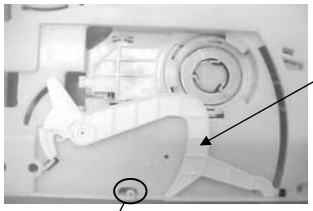


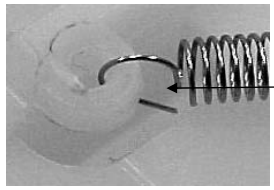


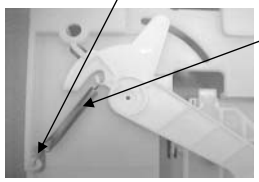
ASSEMBLY SEQUENCE

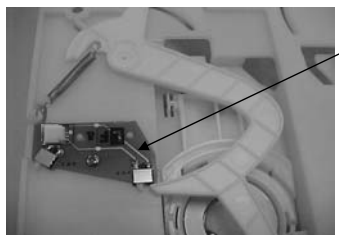
1. FIX ITEM 149 TO TOP PLATE ASSY
2. THEN FIX ITEM 171 TOP PLATE & LEVER
3. THEN FIX PWB ASSY
4. AFTER ASSY SCREW WITH ITEM 508

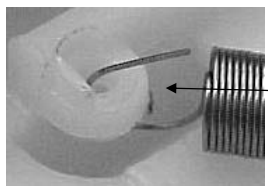




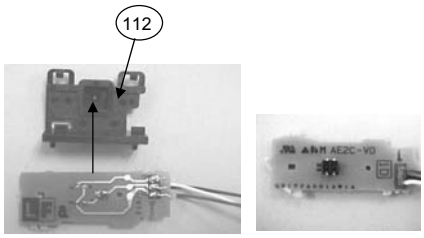






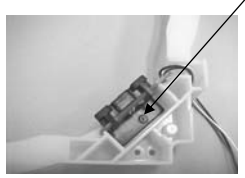


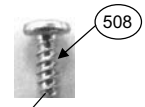
11

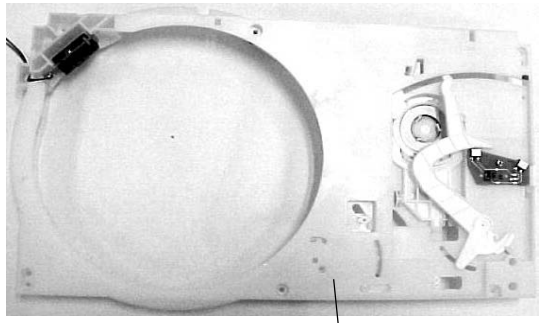


ASSEMBLY SEQUENCE

1. FIX PWB ASSY TO ITEM 112
2. THEN FIX ASSY TO TOP PLATE AND SCREW WITH ITEM 508 X 1
3. SOLDER

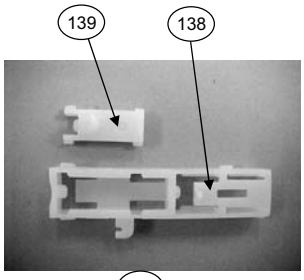


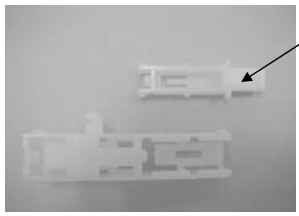




The color of the products is black.

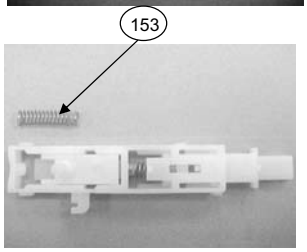
12

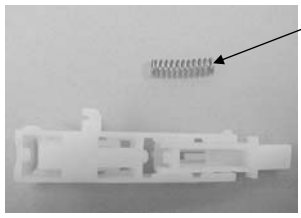


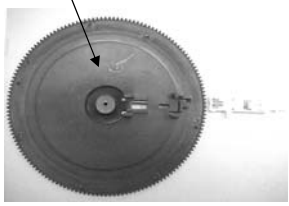


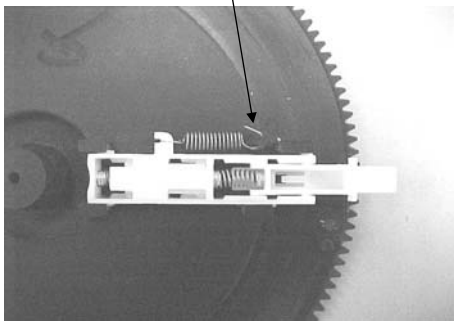
ASSEMBLY SEQUENCE

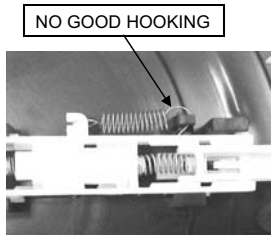
1. FIX ITEM 139, 140, 153, 152 TO ITEM 138
2. AFTER FIX COUPLING ASSY TO ITEM 118 FIX WITH ITEM 172

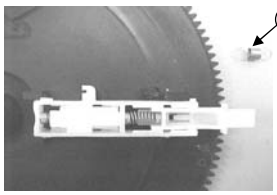




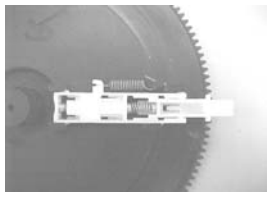


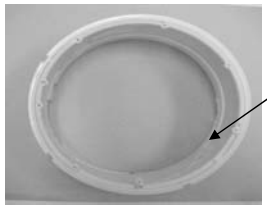


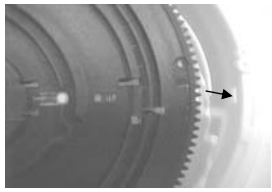


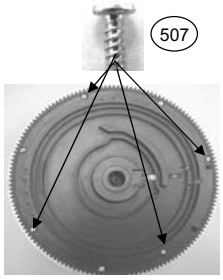


13

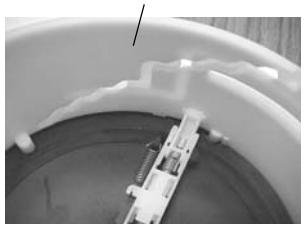


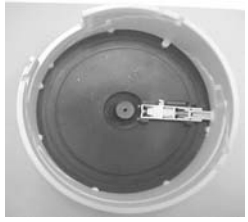






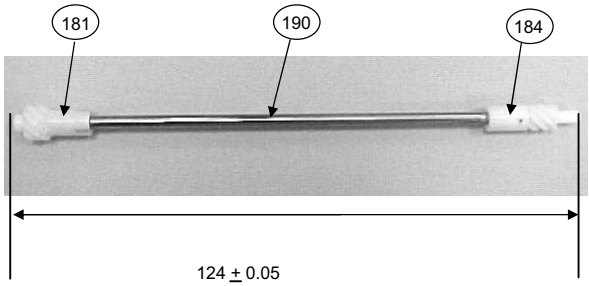
The color of the products is black.





ASSEMBLY SEQUENCE

1. FIX ITEM 122 TO ITEM 117
2. SCREW WITH ITEM 507 X 4



ASSEMBLY SEQUENCE

1. FIX ITEM 181, 184 TO ITEM 190

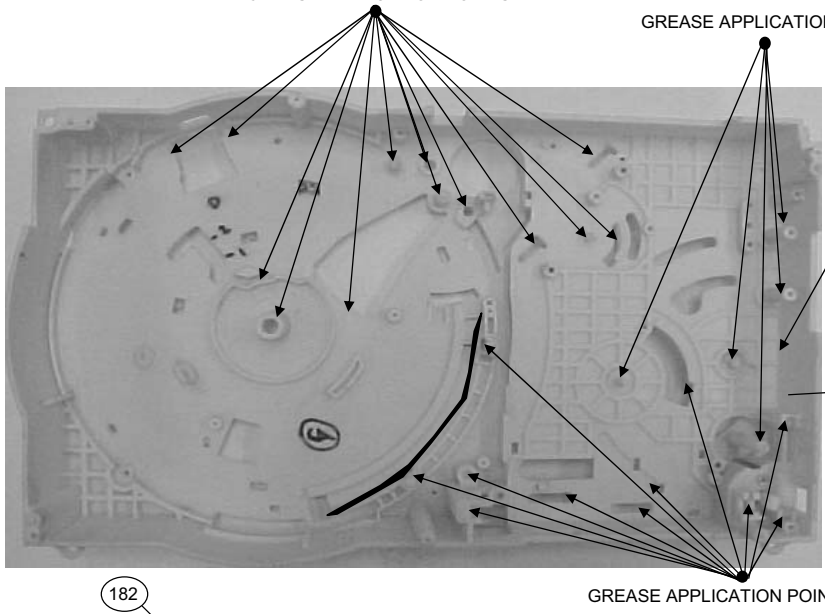
NOTE :

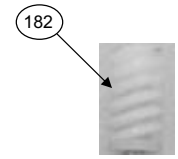
2. INSERT FORCE FOR ITEM 181, 184 ARE 1 ± 0.1 kg

14

ASSEMBLY SEQUENCE

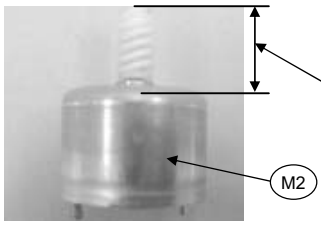
1. APPLY GREASE TO ITEM 104 AS SHOWN

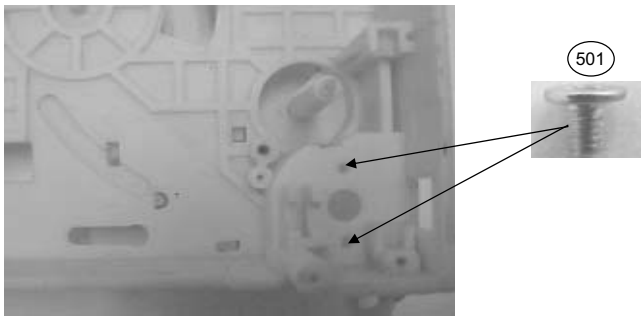


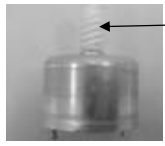


ASSEMBLY SEQUENCE

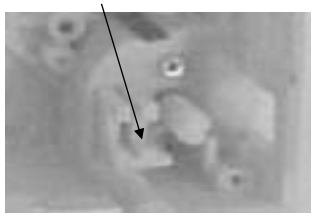
1. FIX ITEM 182 TO ITEM M2 AS SHOWN
2. AFTER FIX TO MAIN CHASSIS SCREW WITH ITEM 501 X 2 THE MOTOR

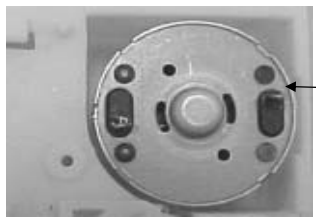




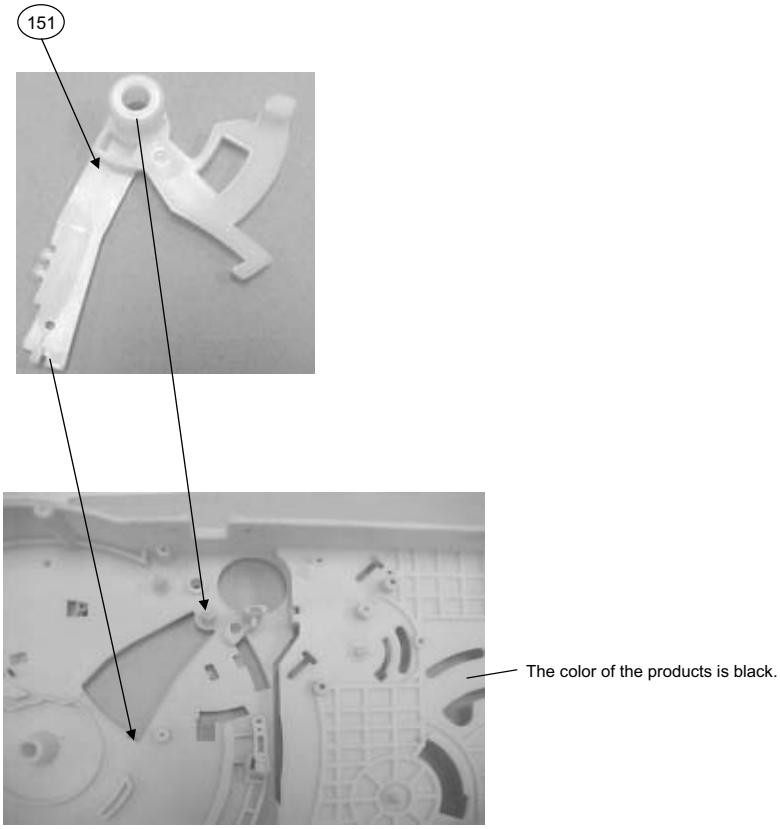


MUST CONFIRM 3 HOLE CAN SEE
BEFORE SCREW MOTOR





15



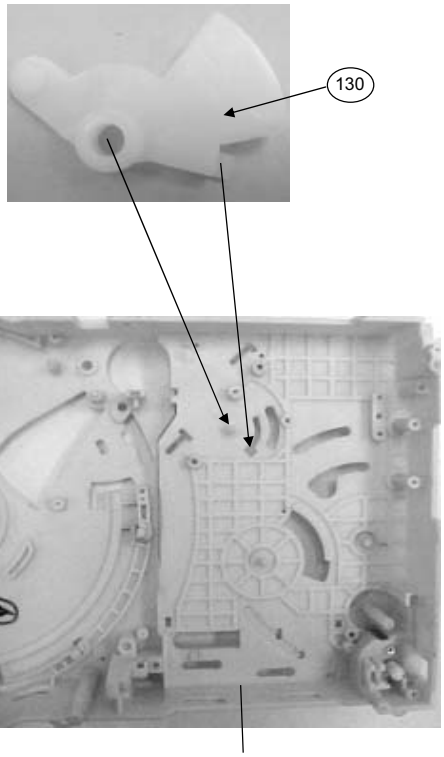
ASSEMBLY SEQUENCE

1. FIX ITEM 151 TO MAIN CHASSIS AS SHOWN

NOTE:

1. AFTER FIX MAKESURE D-CAM LOCK ARM MOVE FREELY

16



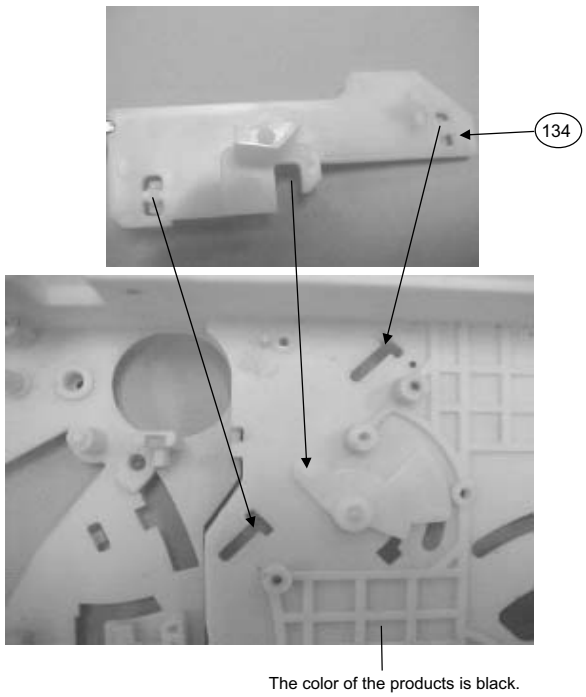
ASSEMBLY SEQUENCE

1. FIX ITEM 130 TO MAIN CHASSIS

NOTE:

1. AFTER FIX MAKESURE SELECT LOCK ARM MOVE FREELY

17

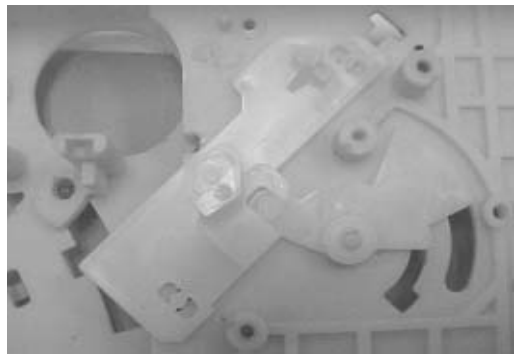


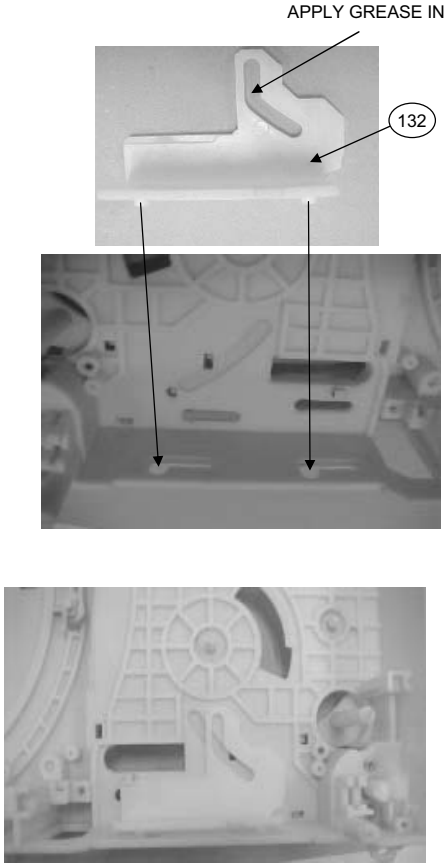
ASSEMBLY SEQUENCE

1. FIX ITEM 134 TO MAIN CHASSIS

NOTE:

1. AFTER FIX MAKESURE SELECT LOCK PLATE MOVE FREELY





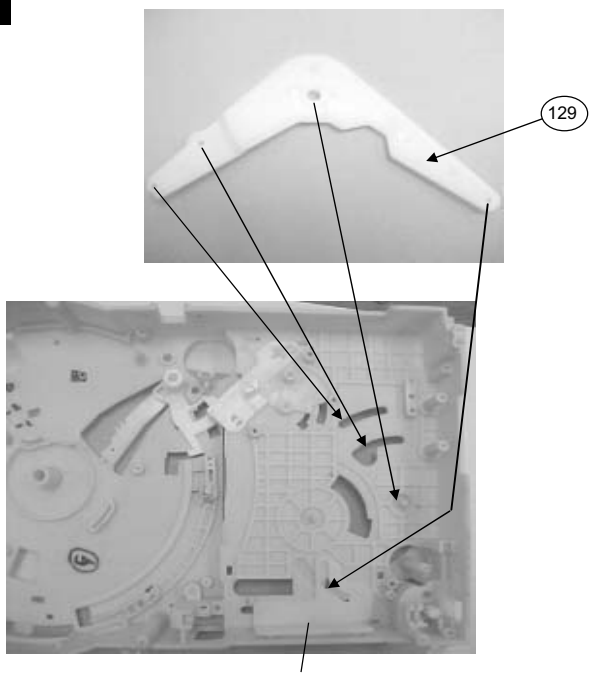
ASSEMBLY SEQUENCE

1. FIX ITEM 132 TO MAIN CHASSIS

NOTE:

1. AFTER FIX MAKESURE ROLLER CONTROL PLATE MOVE FREELY

18



ASSEMBLY SEQUENCE

1. FIX ITEM 129 TO MAIN CHASSIS

NOTE:

1. AFTER FIX MAKESURE SLIDE LINK ARM MOVE FREELY

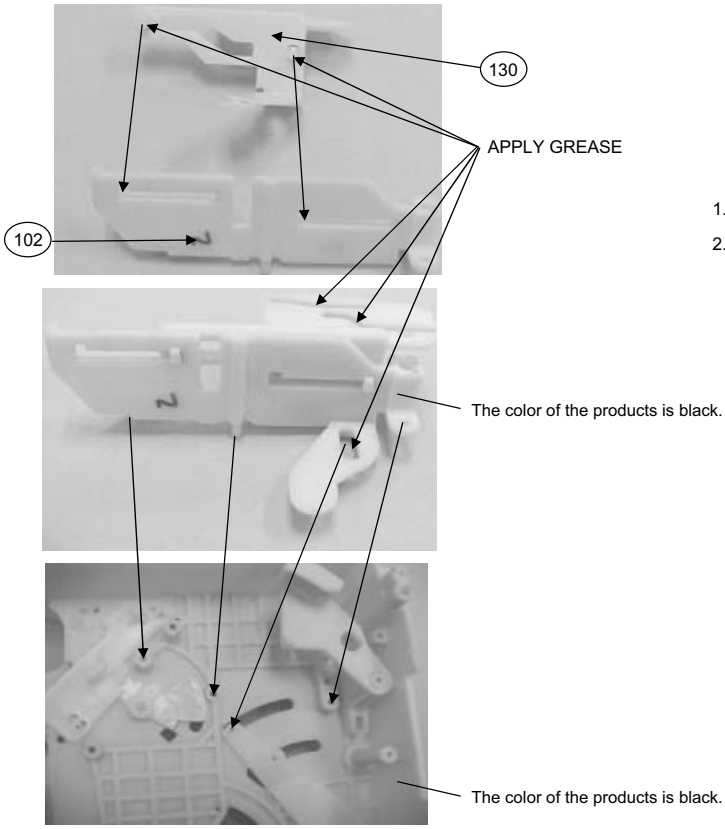
ASSEMBLY SEQUENCE

1. FIX ITEM 131 TO MAIN CHASSIS

NOTE:

1. AFTER FIX MAKESURE TRIGGER ARM B ROTATE FREELY

19

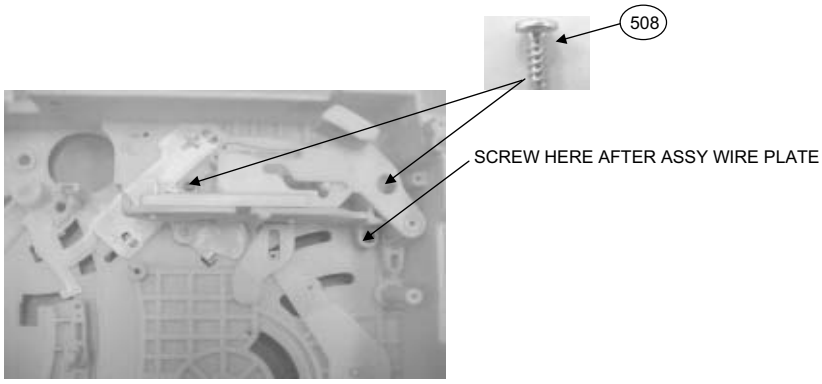


ASSEMBLY SEQUENCE

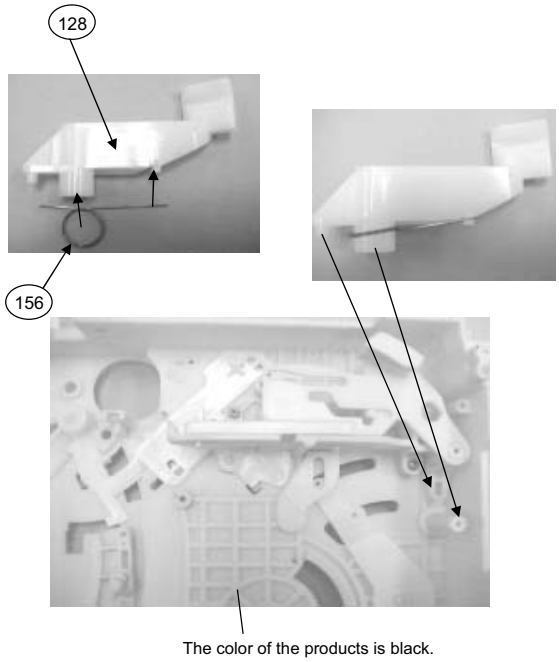
1. FIX ITEM 133 TO ITEM 102 THEN TO MAIN CHASSIS
2. THEN SCREW ITEM 102 WITH ITEM 508 X 2 TO MAIN CHASSIS

NOTE:

1. AFTER FIX MAKESURE SLIDE PLATE MOVE FREELY



20



ASSEMBLY SEQUENCE

1. FIX ITEM 128 TO ITEM 156 THEN TO MAIN CHASSIS

NOTE:

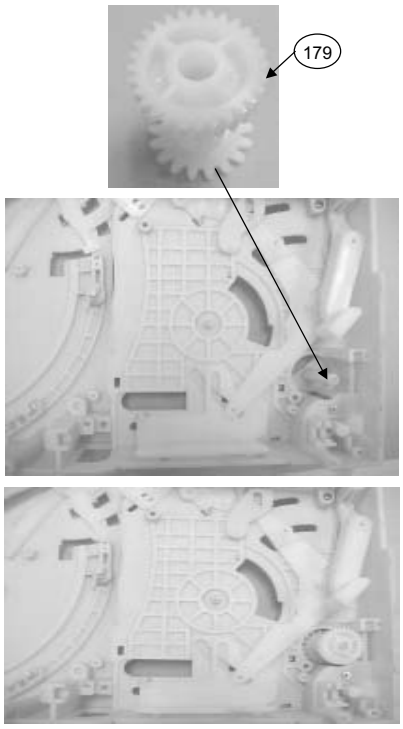
1. AFTER FIX MUST CONFIRM MOVEMENT

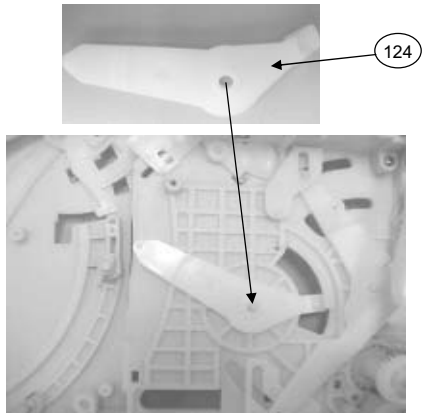
ASSEMBLY SEQUENCE

1. FIX ITEM 179 TO MAIN CHASSIS
2. FIX ITEM 124 TO MAIN CHASSIS

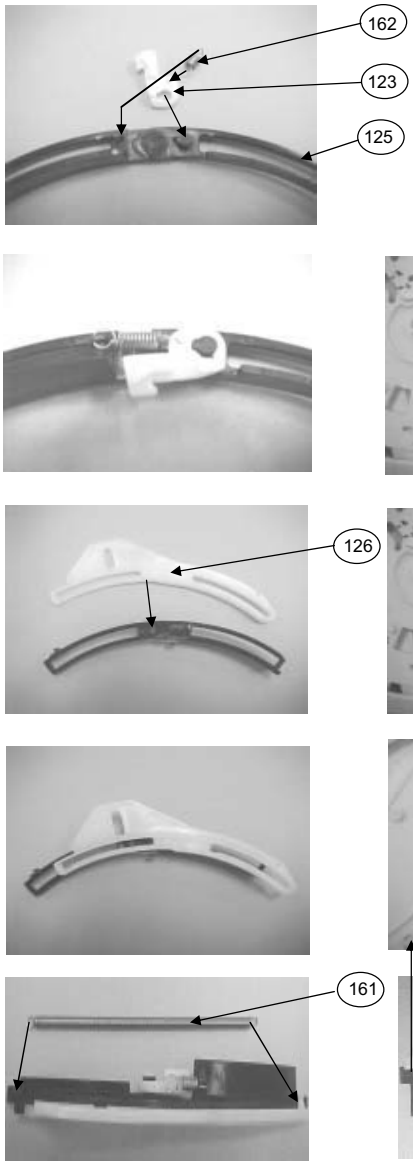
NOTE:

1. AFTER FIX MAKESURE GEAR/EJECT LINK A ROTATE FREELY





21



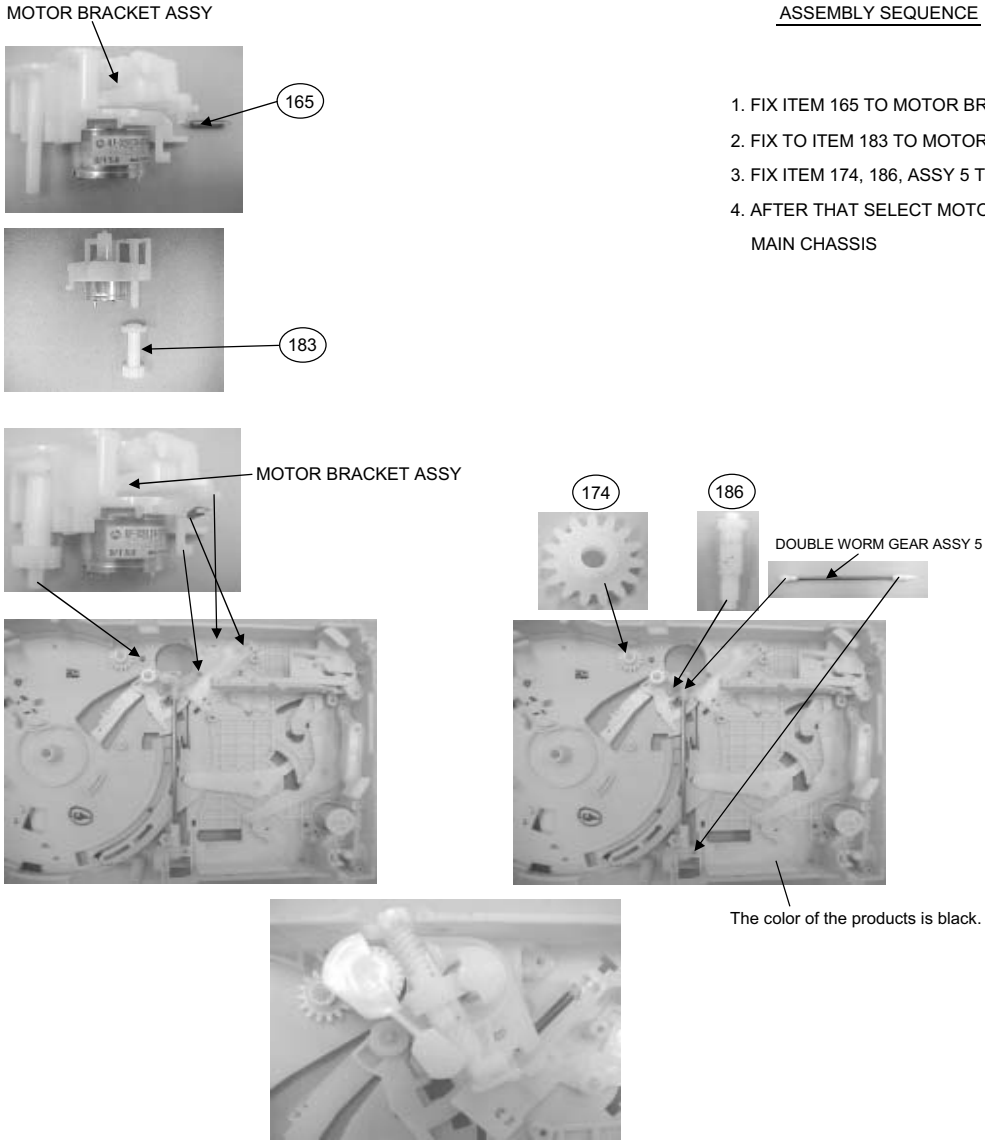
ASSEMBLY SEQUENCE

1. FIX ITEM 162 TO ITEM 123 THEN FIX TO ITEM 125
2. FIX ITEM 126 TO EJECT LINK C ASSY
3. FIX ITEM 161 TO ITEM 125 & 126
4. THEN THIS ASSY FIX TO MAIN CHASSIS

NOTE:

1. AFTER FIX MAKESURE EJECT LOCK ARM RETURN TO HOME POSITION
2. AFTER FIX EJECT LINK C & D MAKESURE MOVE FREELY

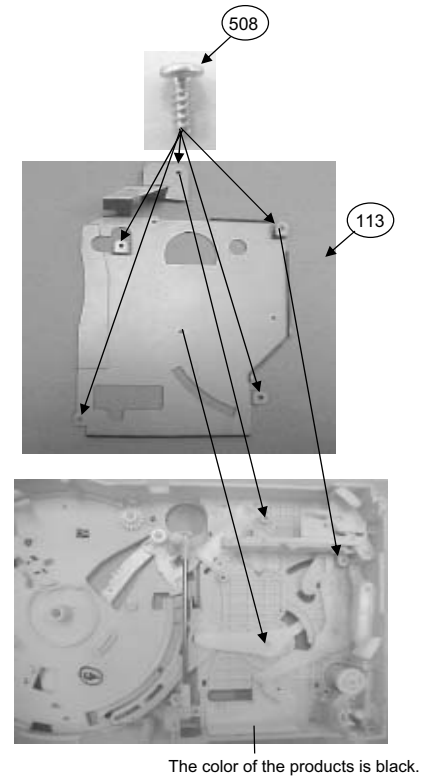
22



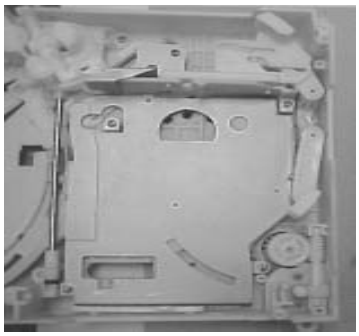
ASSEMBLY SEQUENCE

1. FIX ITEM 165 TO MOTOR BRACKET ASSY AS SHOWN
2. FIX TO ITEM 183 TO MOTOR BRACKET ASSY
3. FIX ITEM 174, 186, ASSY 5 TO MAIN CHASSIS
4. AFTER THAT SELECT MOTOR BRACKET ASSY FIX TO MAIN CHASSIS

23



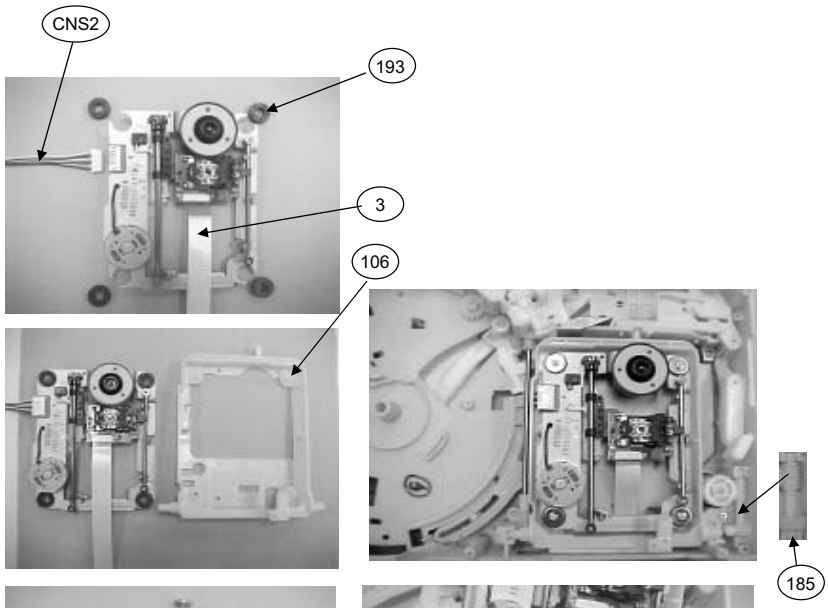
The color of the products is black.



ASSEMBLY SEQUENCE

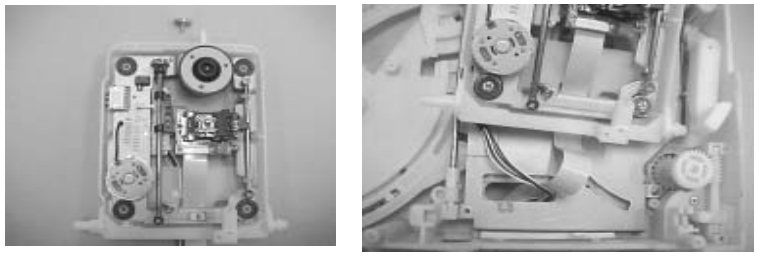
1. FIX ITEM 113 TO MAIN CHASSIS SUB -ASSY
2. SCREW WITH ITEM 508 X 5 TO MAIN CHASSIS

24



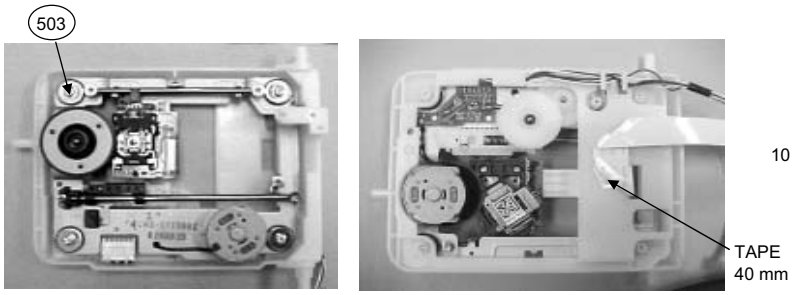
ASSEMBLY SEQUENCE

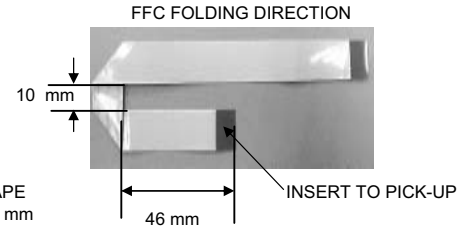
1. FIX ITEM 193 X 4 TO SAMSUNG MECHA
2. FIX ITEM CNS2, 3 TO SAMSUNG MECHA
3. FIX SAMSUNG MECHA ASSY TO ITEM 106
   THEN SCREW WITH ITEM 503
4. THEN ASSY TO MAIN CHASSIS SUB-ASSY
5. FIX ITEM 185 AS SHOWN



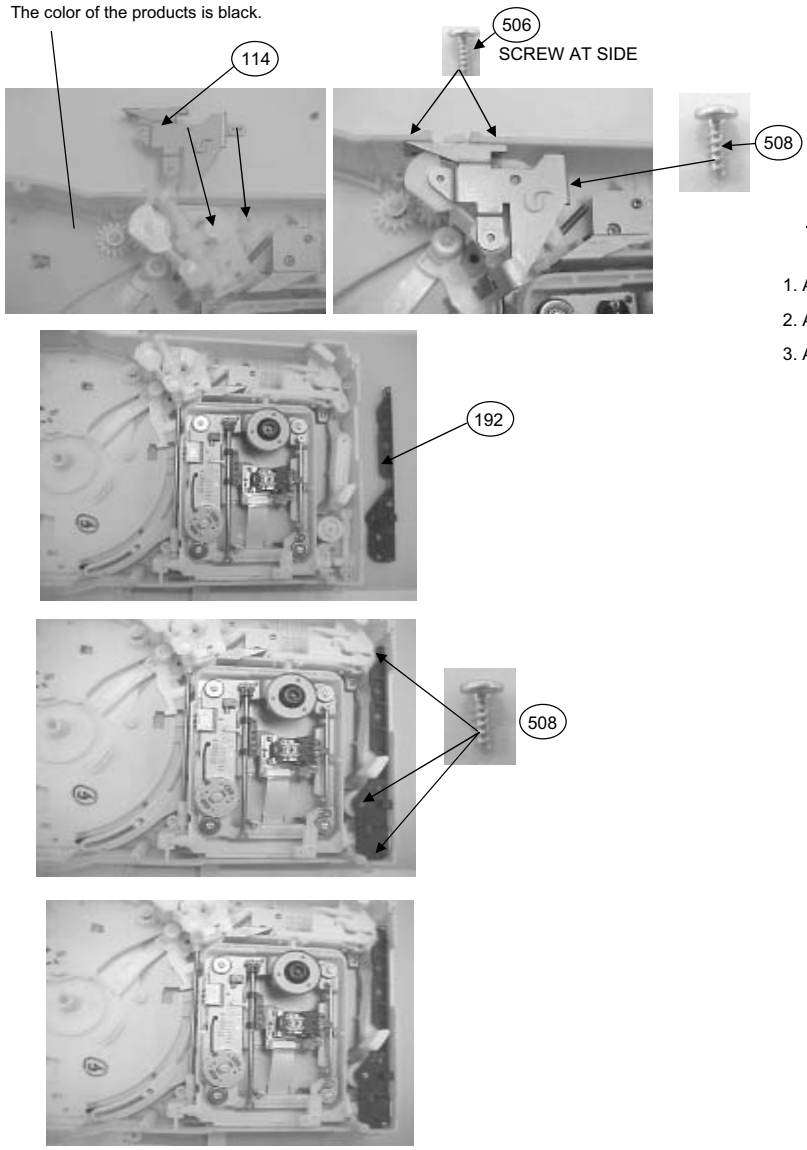
NOTE :

1. MUST REMOVE PICK-UP SHORTING POINT AFTER
   COMPLETE ABOVE PROCESS





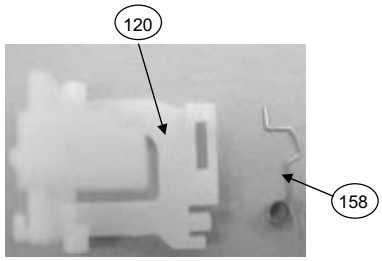
25

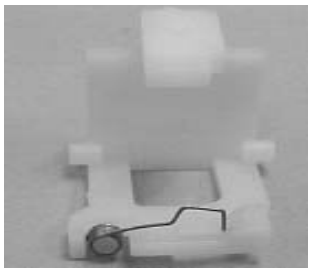


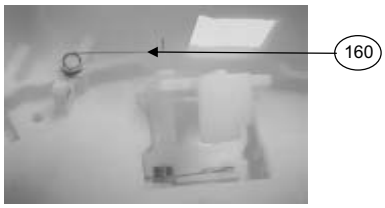
ASSEMBLY SEQUENCE

1. AFTER FIX ITEM 114 SCREW WITH ITEM 508 X 1
2. AFTER FIX ITEM 114 SCREW WITH ITEM 506 X 2
3. AFTER FIX ITEM 192 SCREW WITH ITEM 508 X 3

26



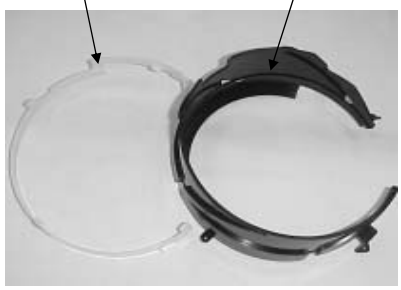


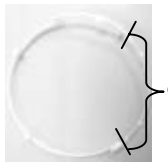


ASSEMBLY SEQUENCE

1. FIX ITEM 158 TO ITEM 120 THEN FIX WITH ITEM 160

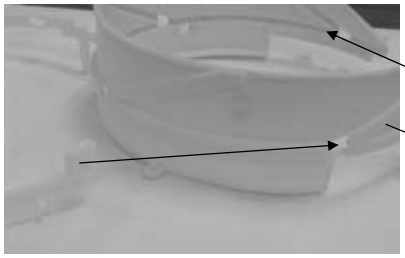
27

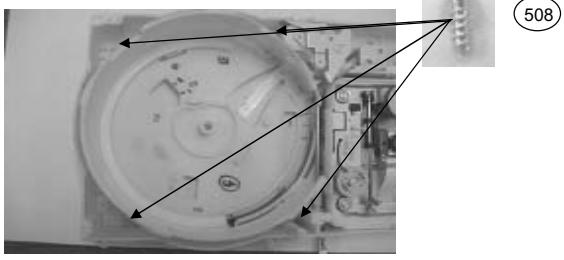


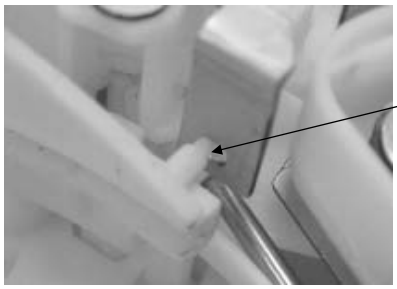


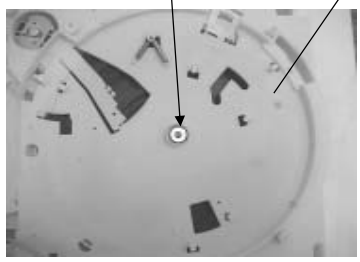
ASSEMBLY SEQUENCE

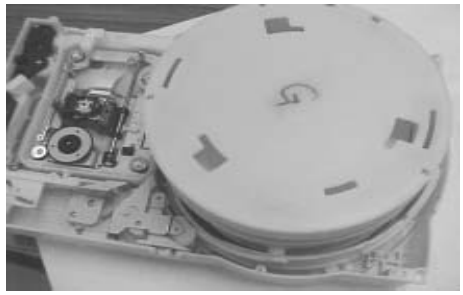
1. FIX ITEM 141 TO ITEM 142 THEN FIX TO MAIN CHASSIS
2. THEN SCREW ITEM 508 X 4
3. FIX HOOD ASSY THEN SCREW WITH ITEM 502



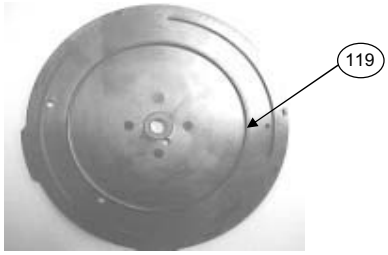






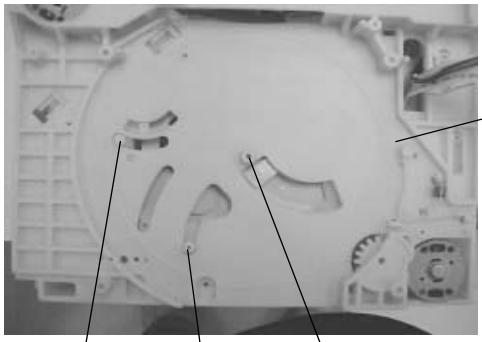


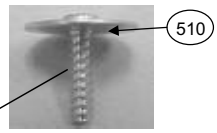
28



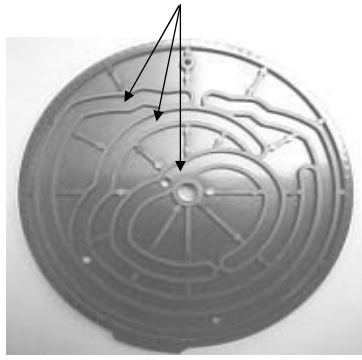
ASSEMBLY SEQUENCE

1. FIX ITEM 119 TO MAIN CHASSIS SUB-ASSY
2. THEN SCREW ITEM 510 TO MAIN CHASSIS SUB-ASSY

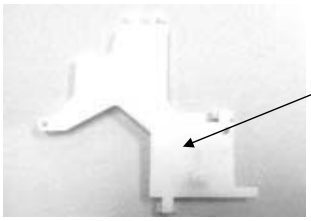


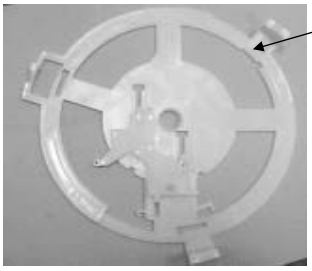


APPLY GREASE INSIDE SLOT

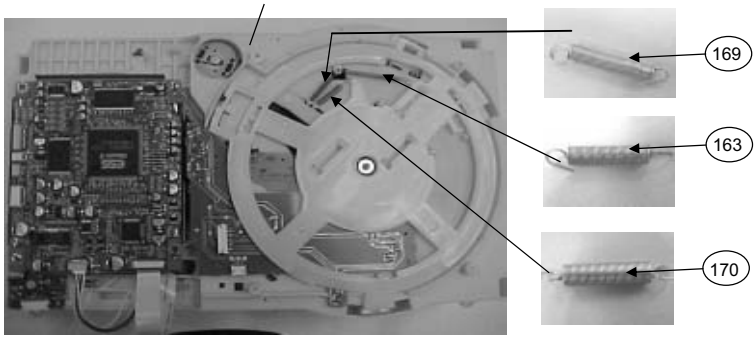


29





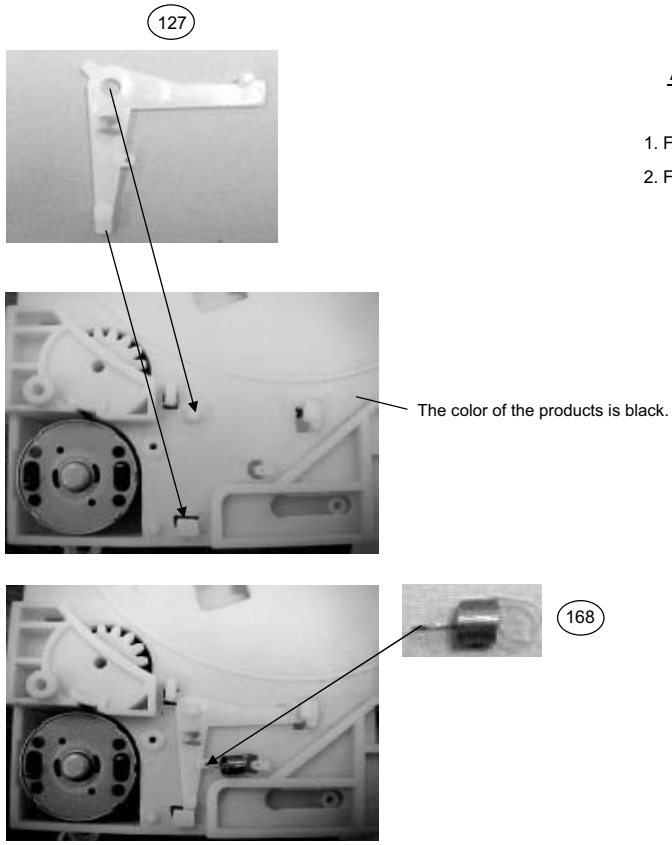
The color of the products is black.



ASSEMBLY SEQUENCE

1. FIX ITEM 144 TO ITEM 143 THEN FIX TO MAIN CHASSIS
2. FIX ITEM 169, 163, 170 TO SWITCHING LEVER

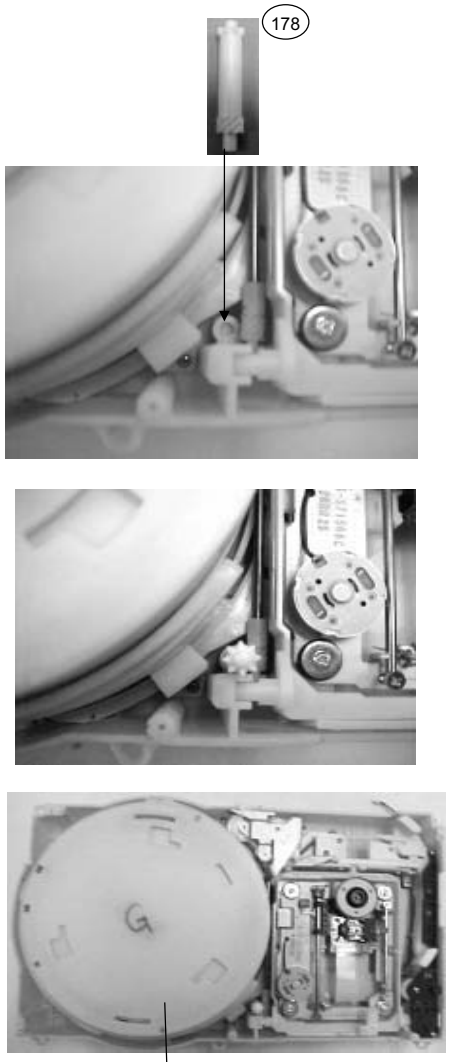
30



ASSEMBLY SEQUENCE

1. FIX ITEM 127 TO MAIN CHASSIS ASSY
2. FIX ITEM 168 TO M/C RESET ARM

31

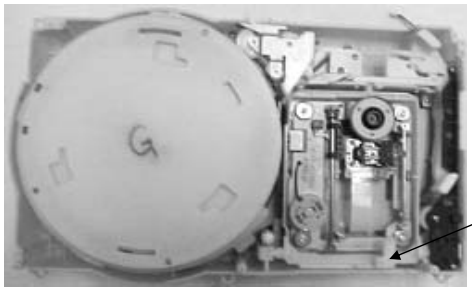


The color of the products is silver.

ASSEMBLY SEQUENCE

1. FIX ITEM 178 TO MAIN CHASSIS ASSY

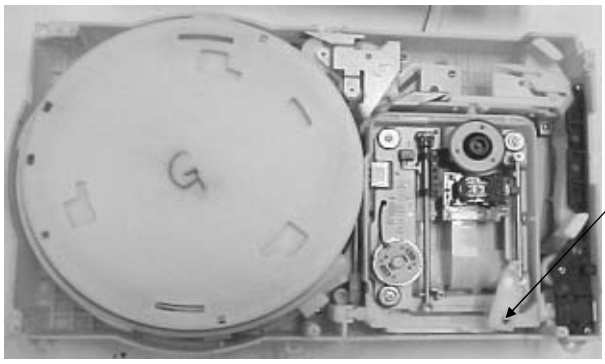
32



145

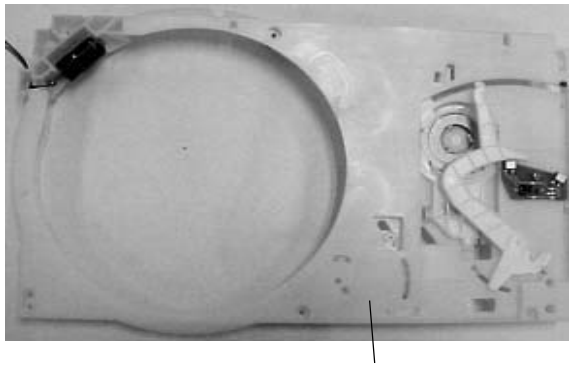
ASSEMBLY SEQUENCE

1. FIX ITEM 145 TO MECHA HOLDER ASSY



SCREW HALF WAY ONLY

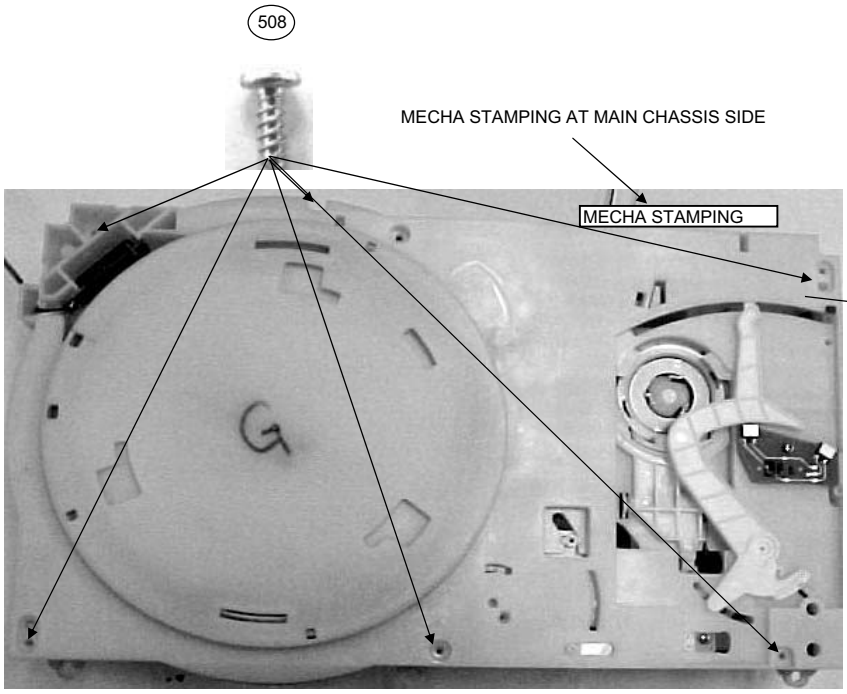
508



The color of the products is black.

TIGHTEN IT

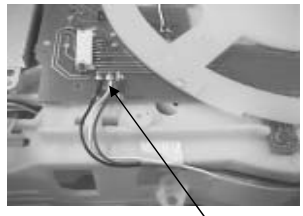
33



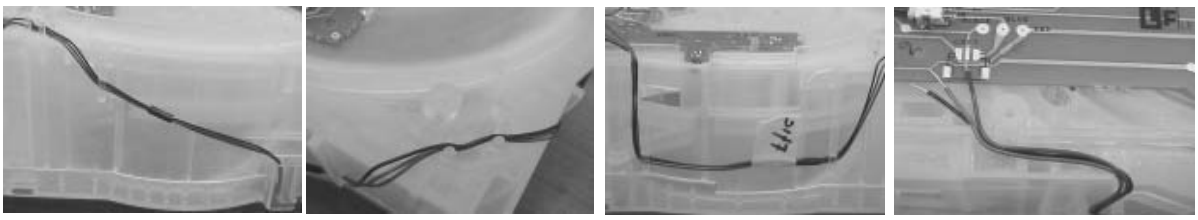
ASSEMBLY SEQUENCE

1. SCREW ITEM 508 TO COMPLETE ASSY

The color of the products is black.



(QCNWNA177AWFZ WIRE ARRANGEMENT FROM TOP PLATE)



CHAPTER 4. DIAGRAMS

[1] Block diagram

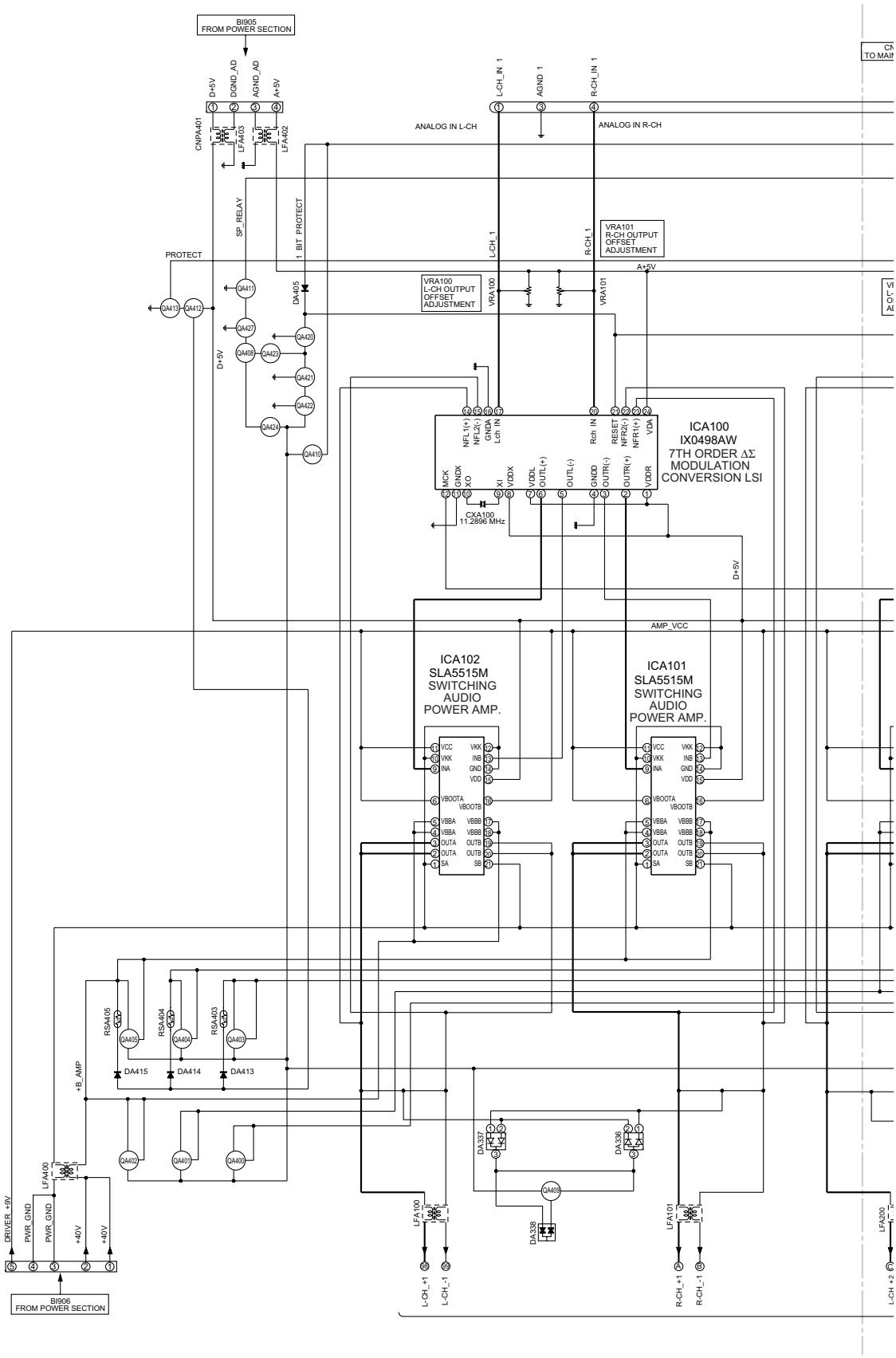


Figure 4-1 BLOCK DIAGRAM (1/18)

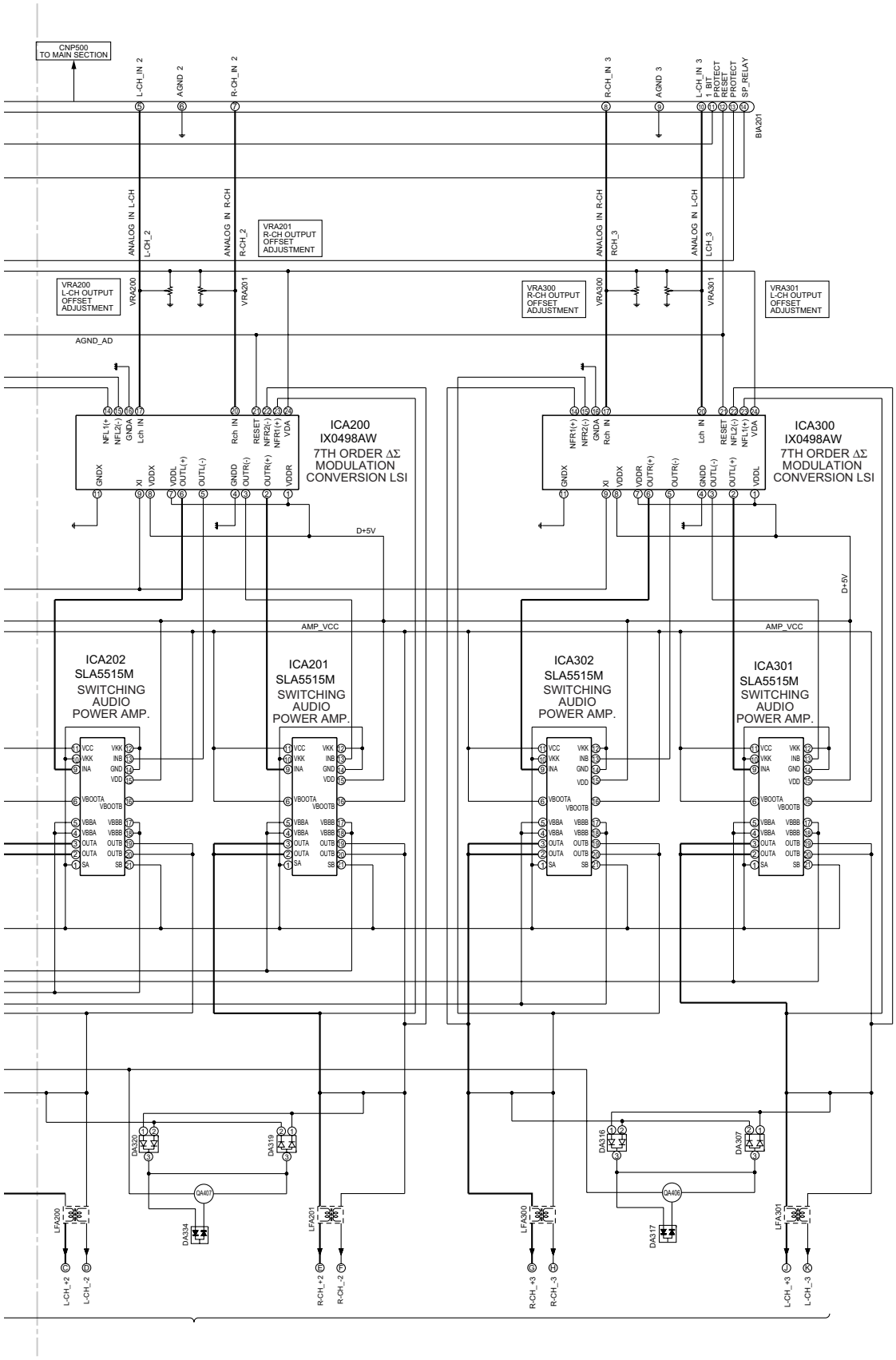


Figure 4-2 BLOCK DIAGRAM (2/18)

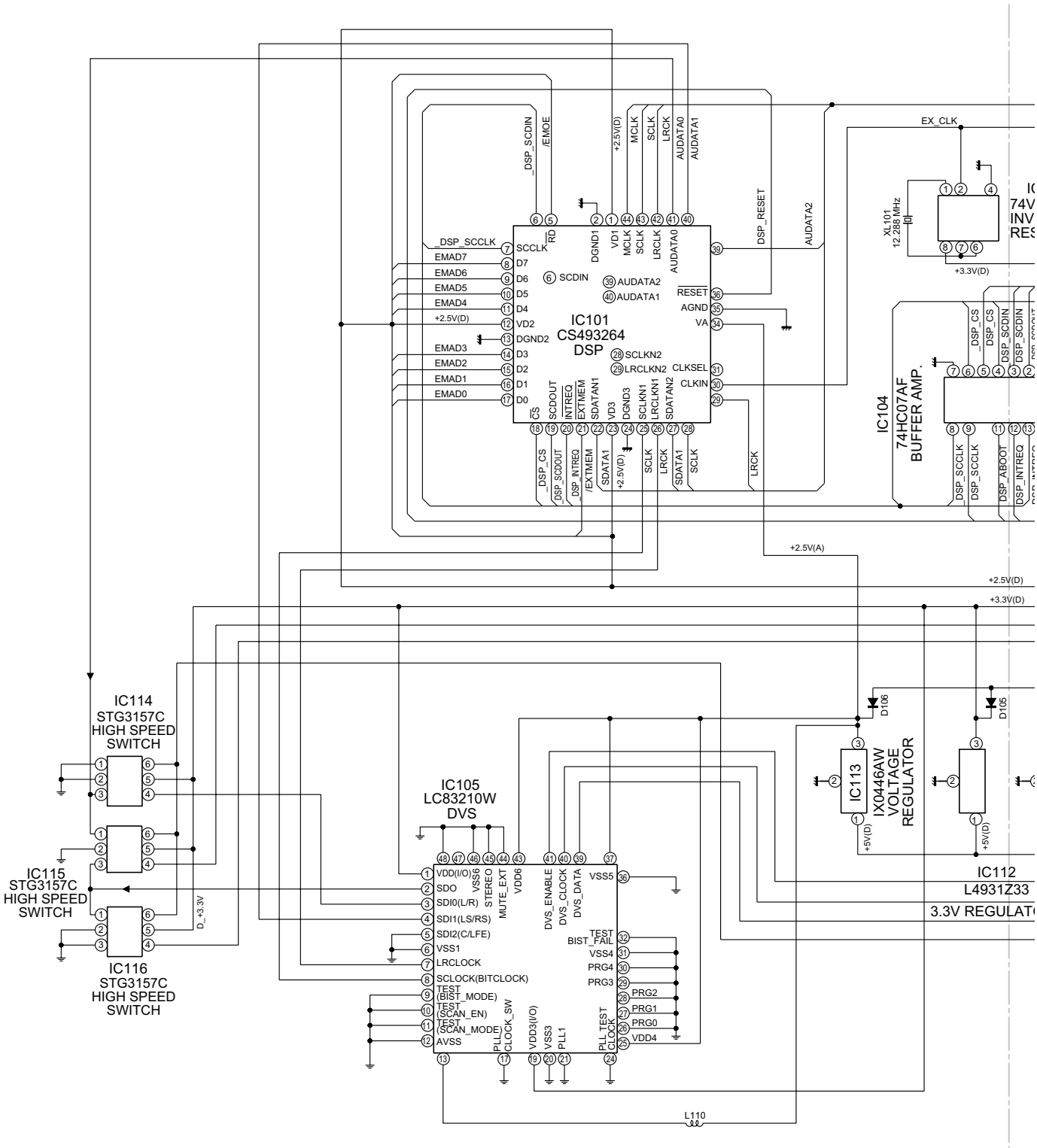


Figure 4-3 BLOCK DIAGRAM (3/18)

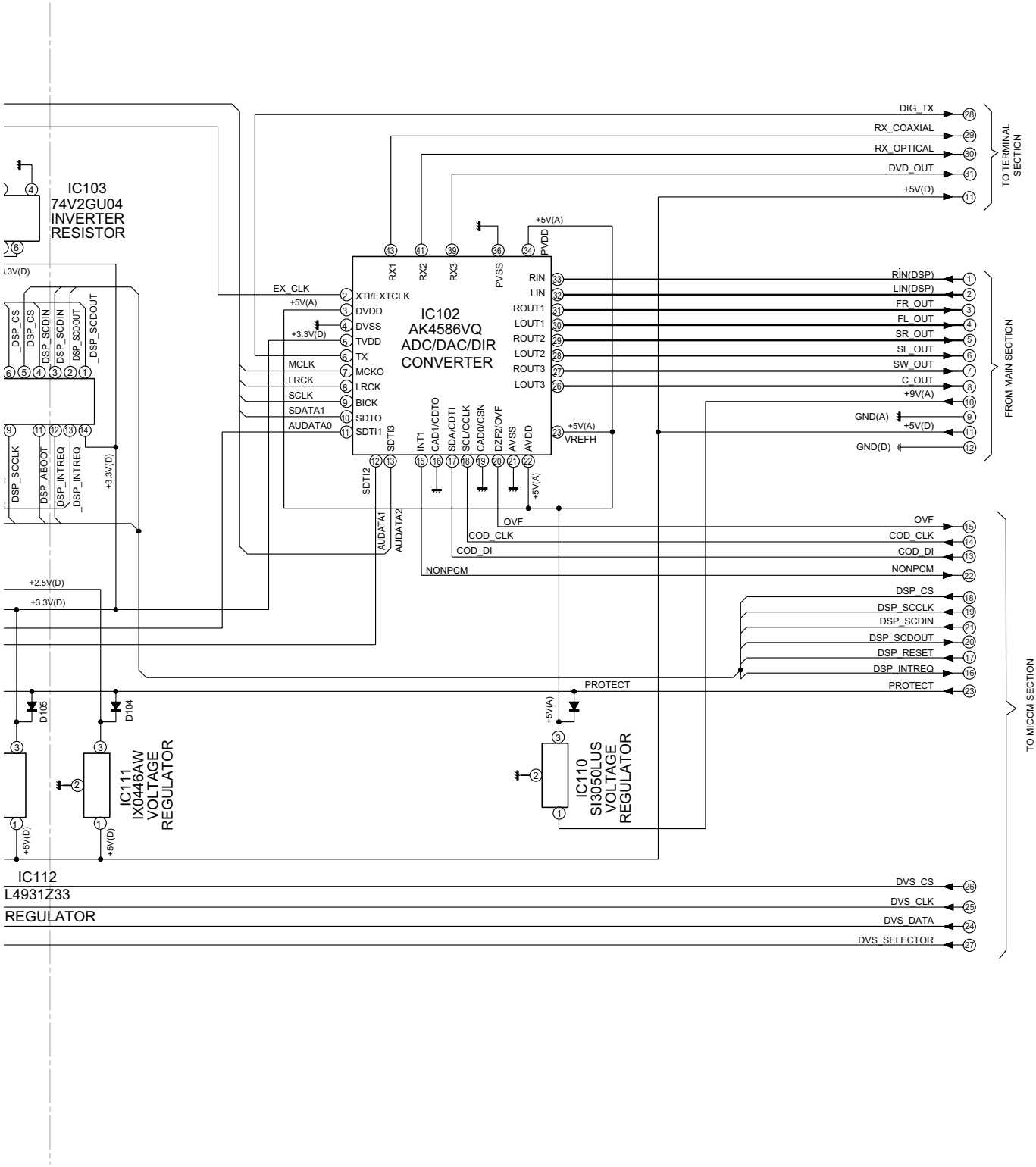


Figure 4-4 BLOCK DIAGRAM (4/18)

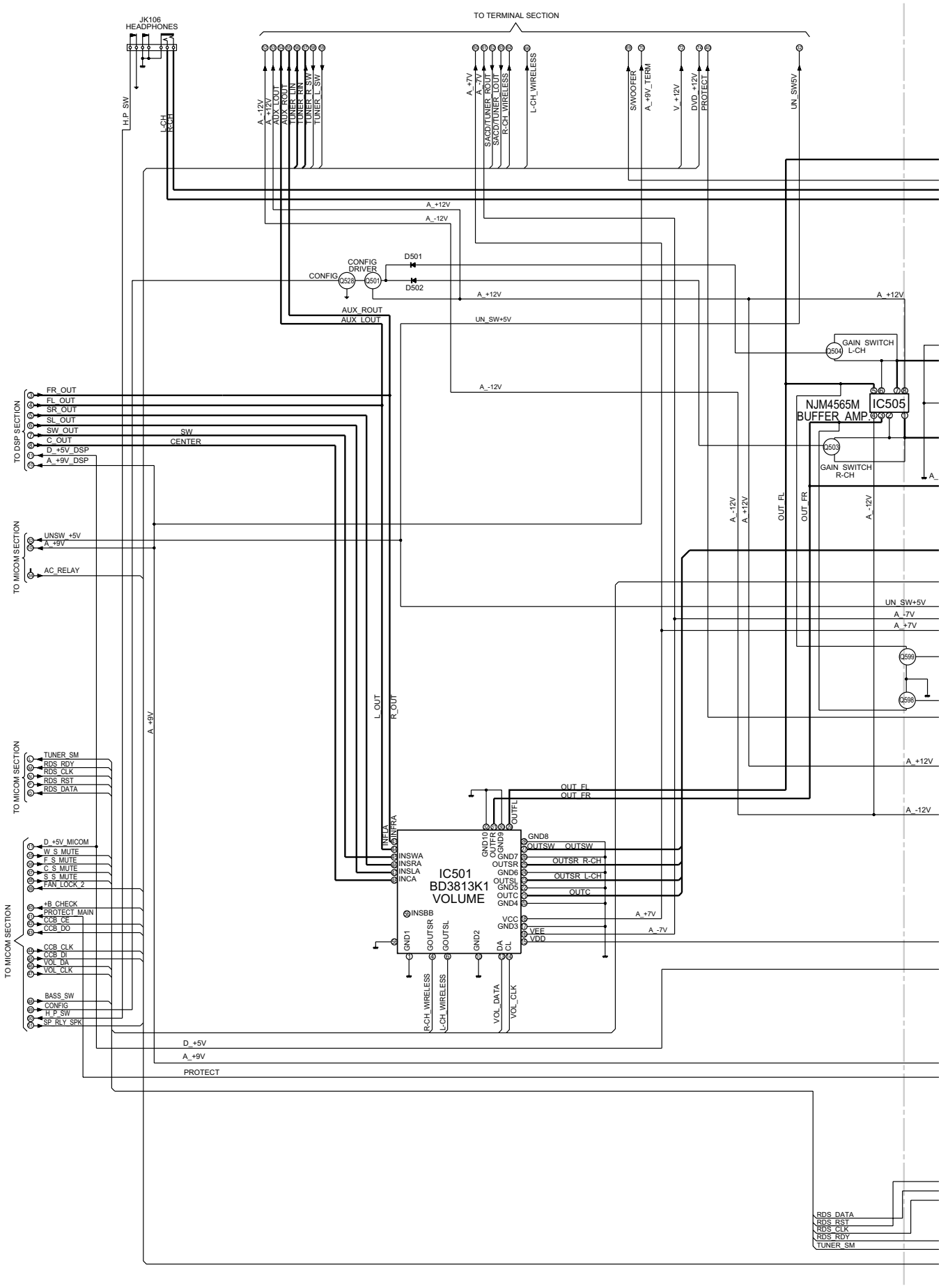


Figure 4-5 BLOCK DIAGRAM (5/18)

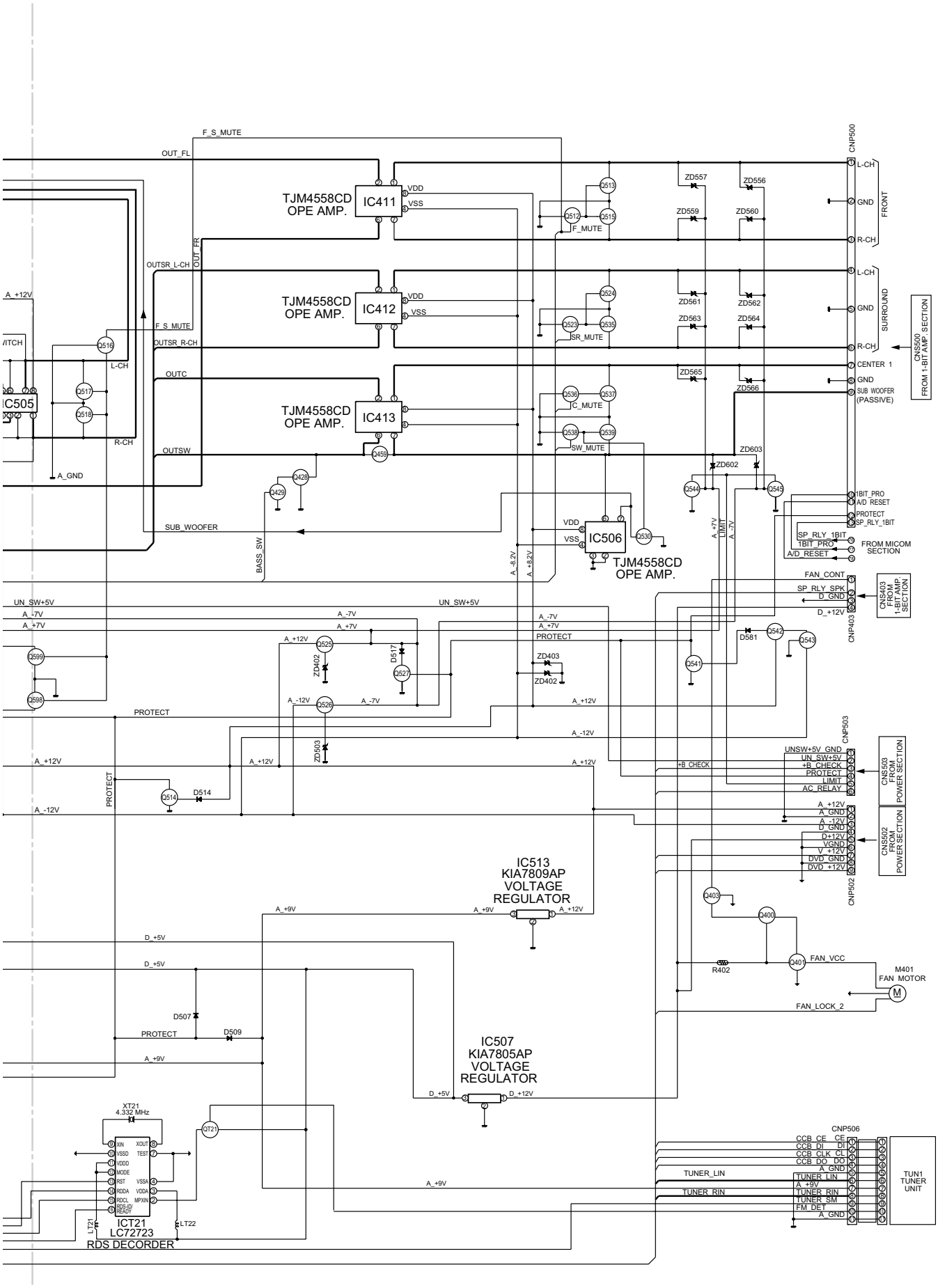


Figure 4-6 BLOCK DIAGRAM (6/18)

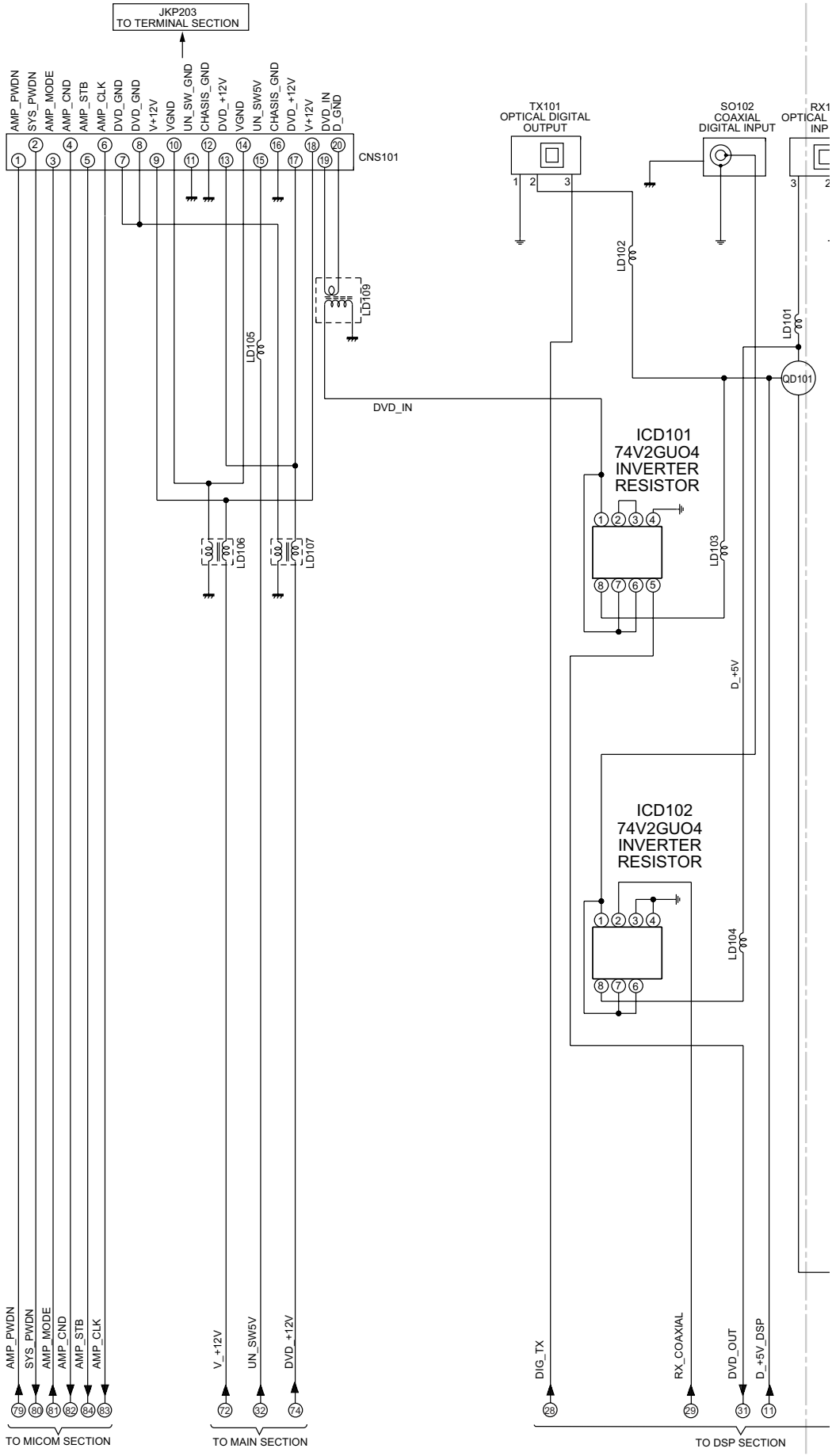


Figure 4-7 BLOCK DIAGRAM (7/18)

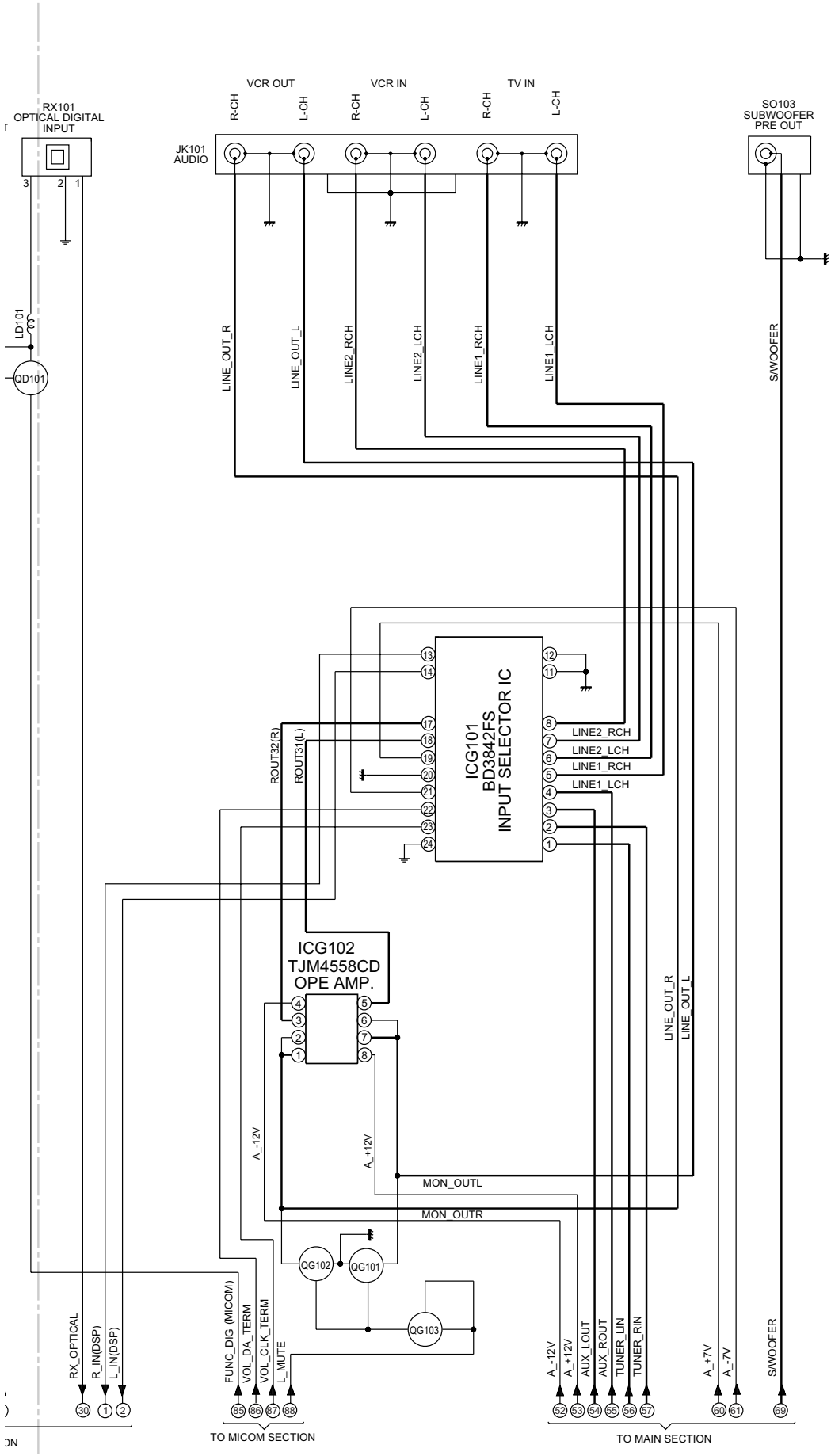


Figure 4-8 BLOCK DIAGRAM (8/18)

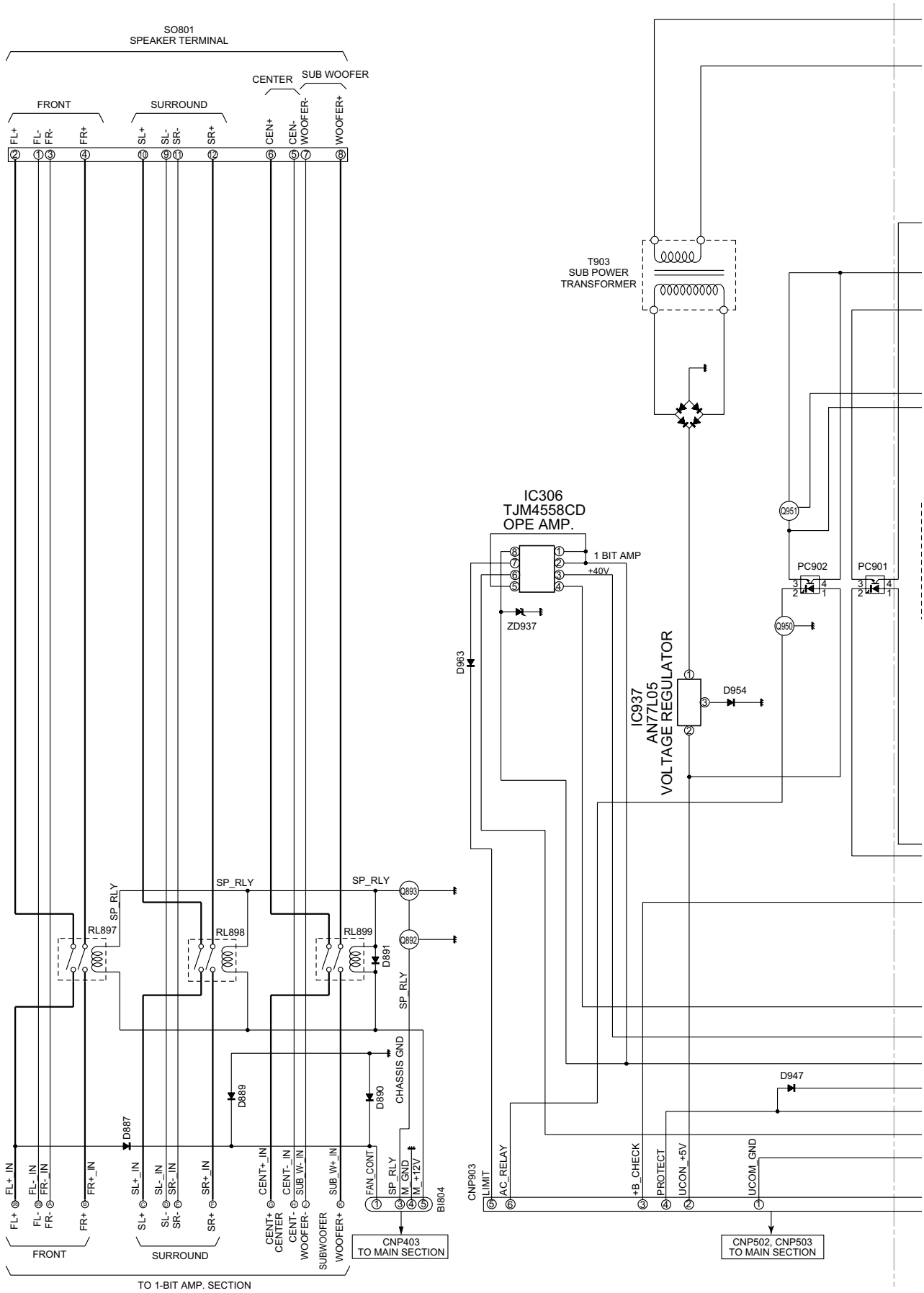


Figure 4-9 BLOCK DIAGRAM (9/18)

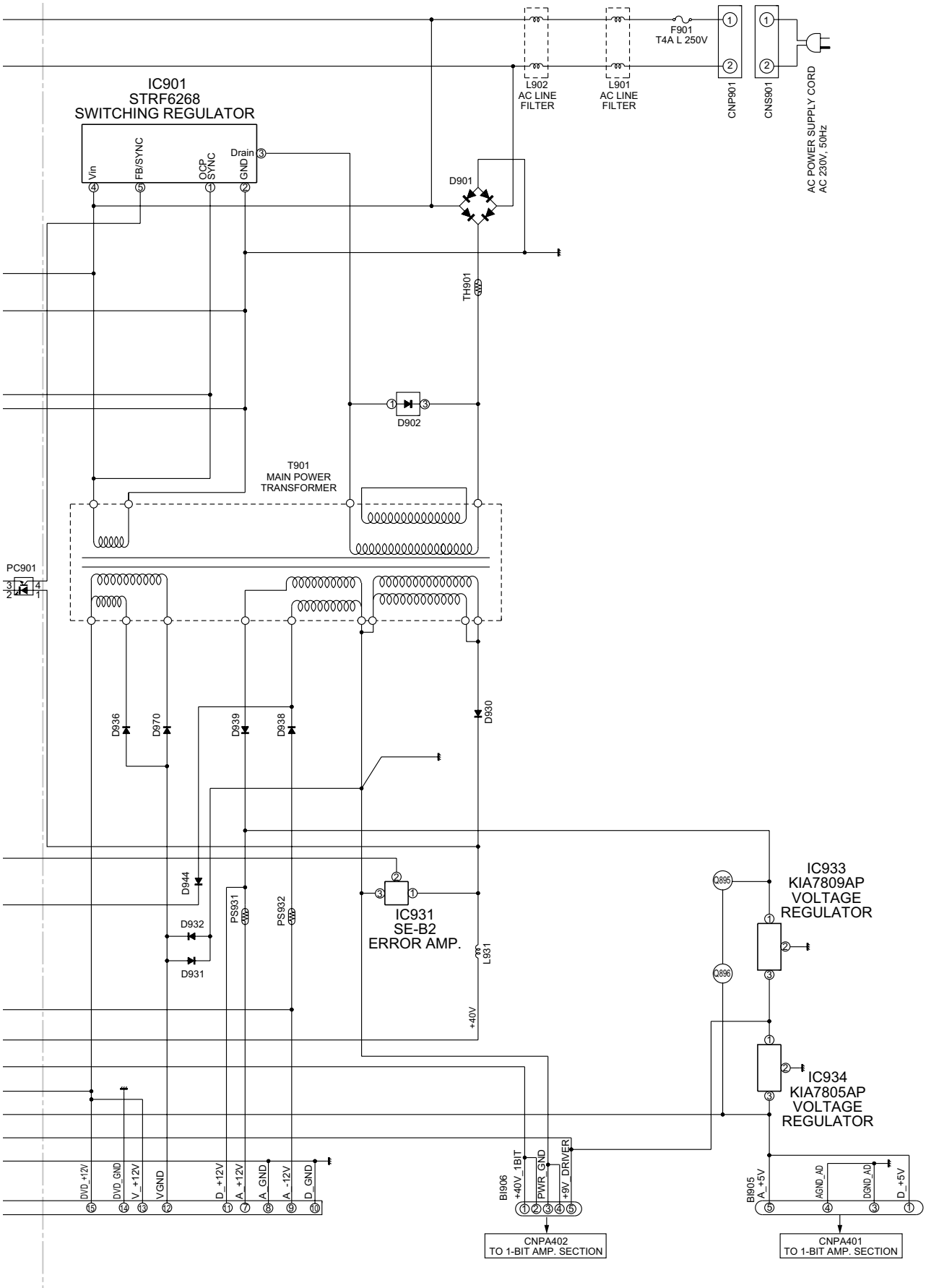


Figure 4-10 BLOCK DIAGRAM (10/18)

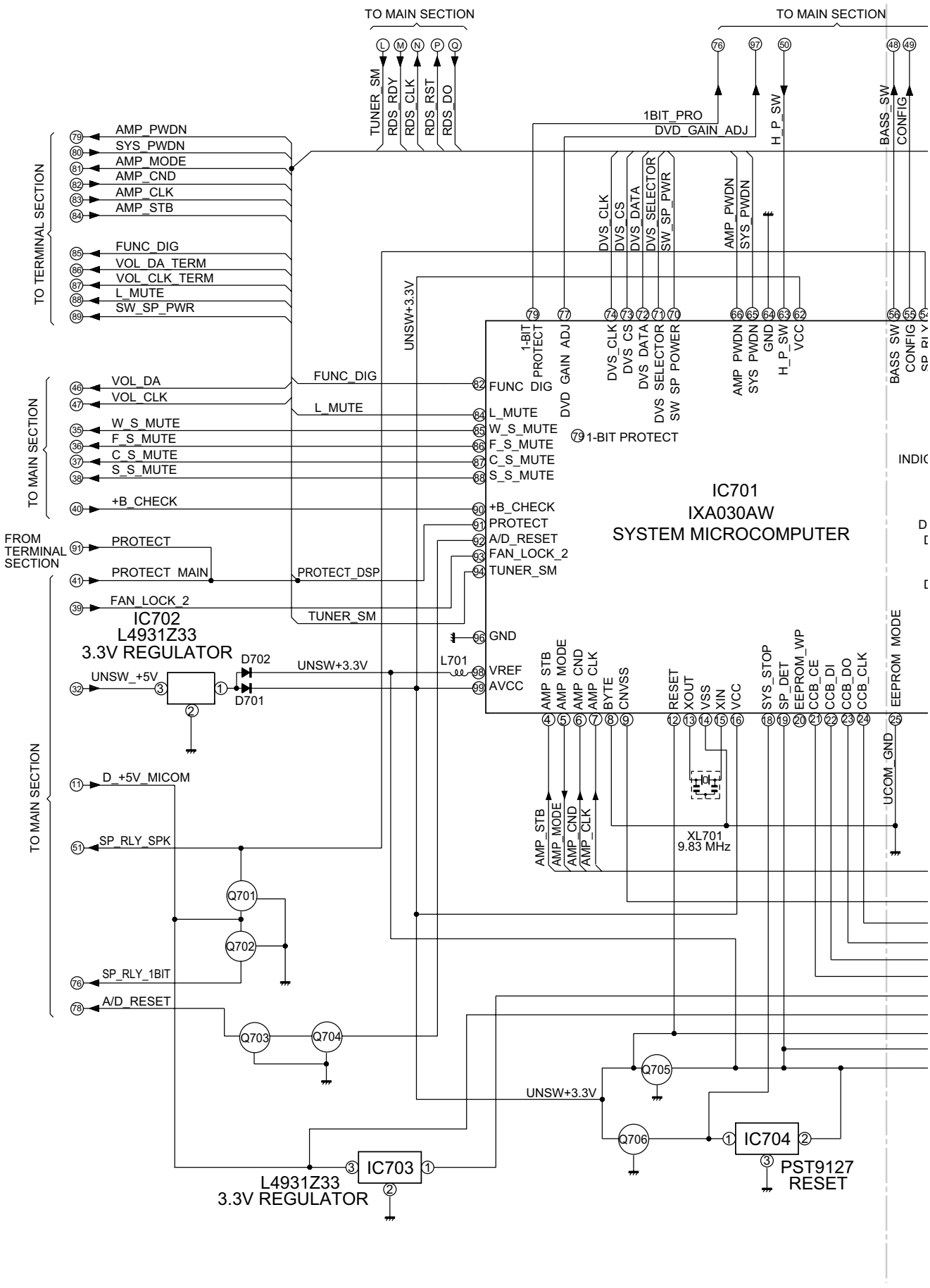


Figure 4-11 BLOCK DIAGRAM (11/18)

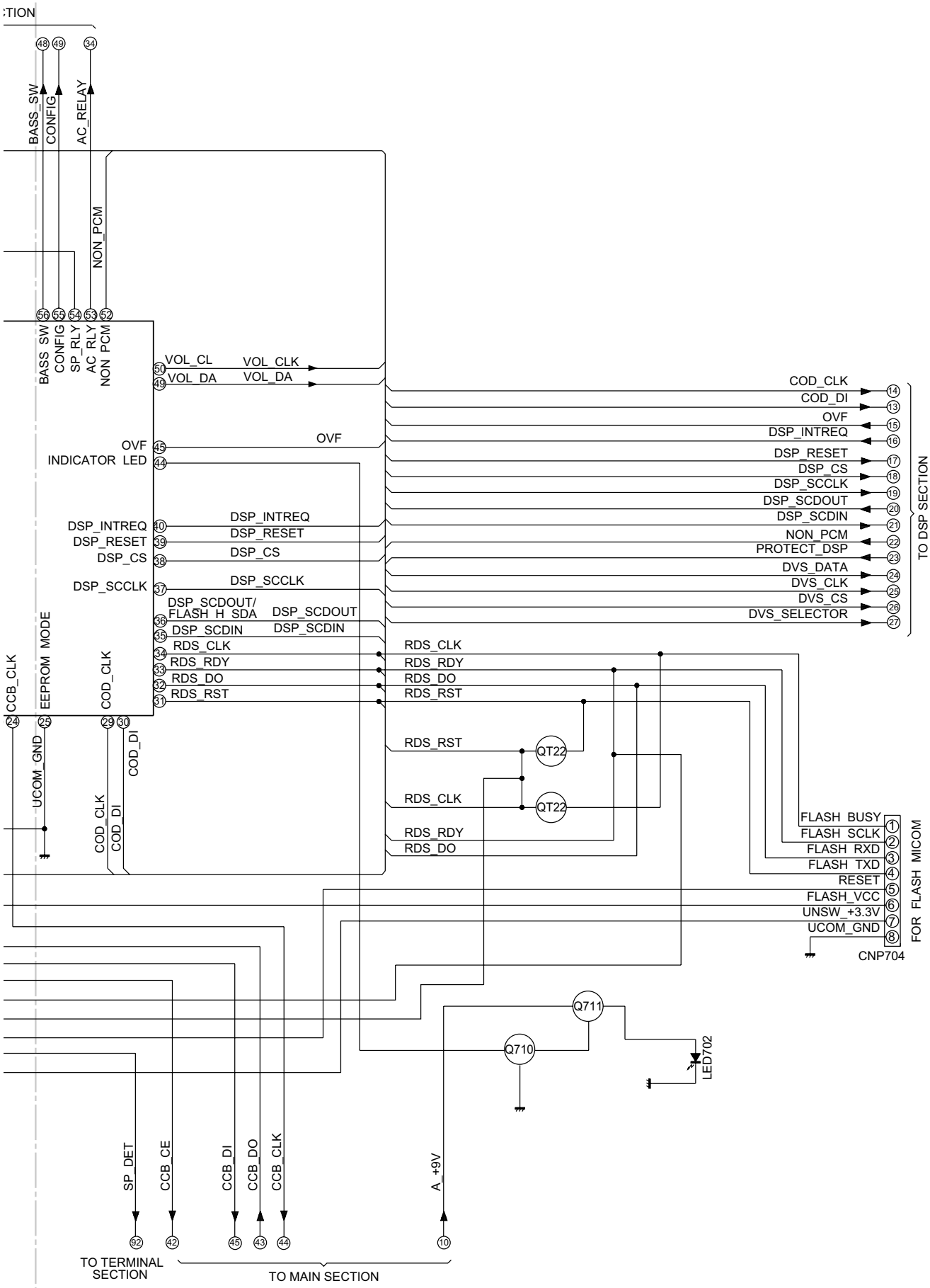


Figure 4-12 BLOCK DIAGRAM (12/18)

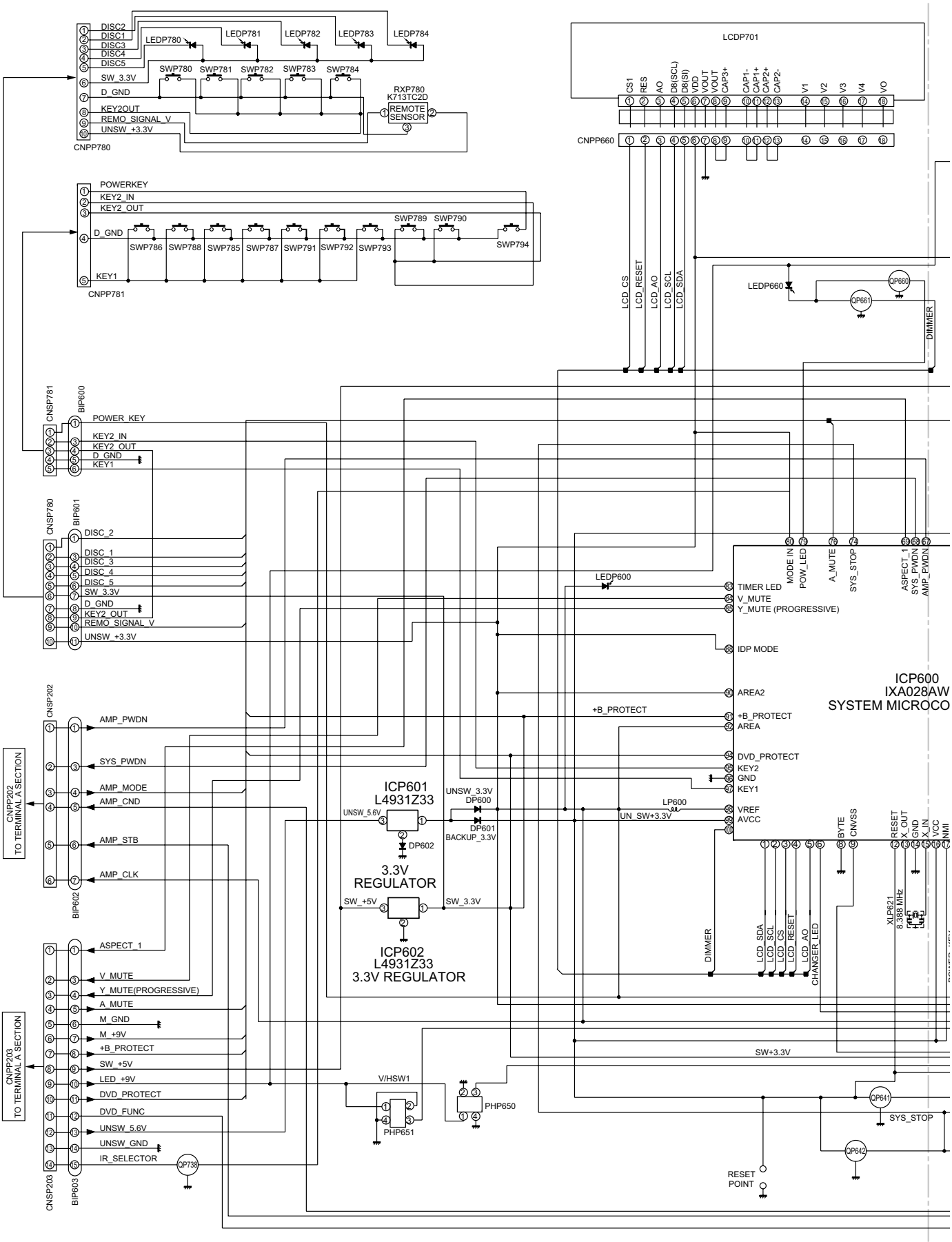


Figure 4-13 BLOCK DIAGRAM (13/18)

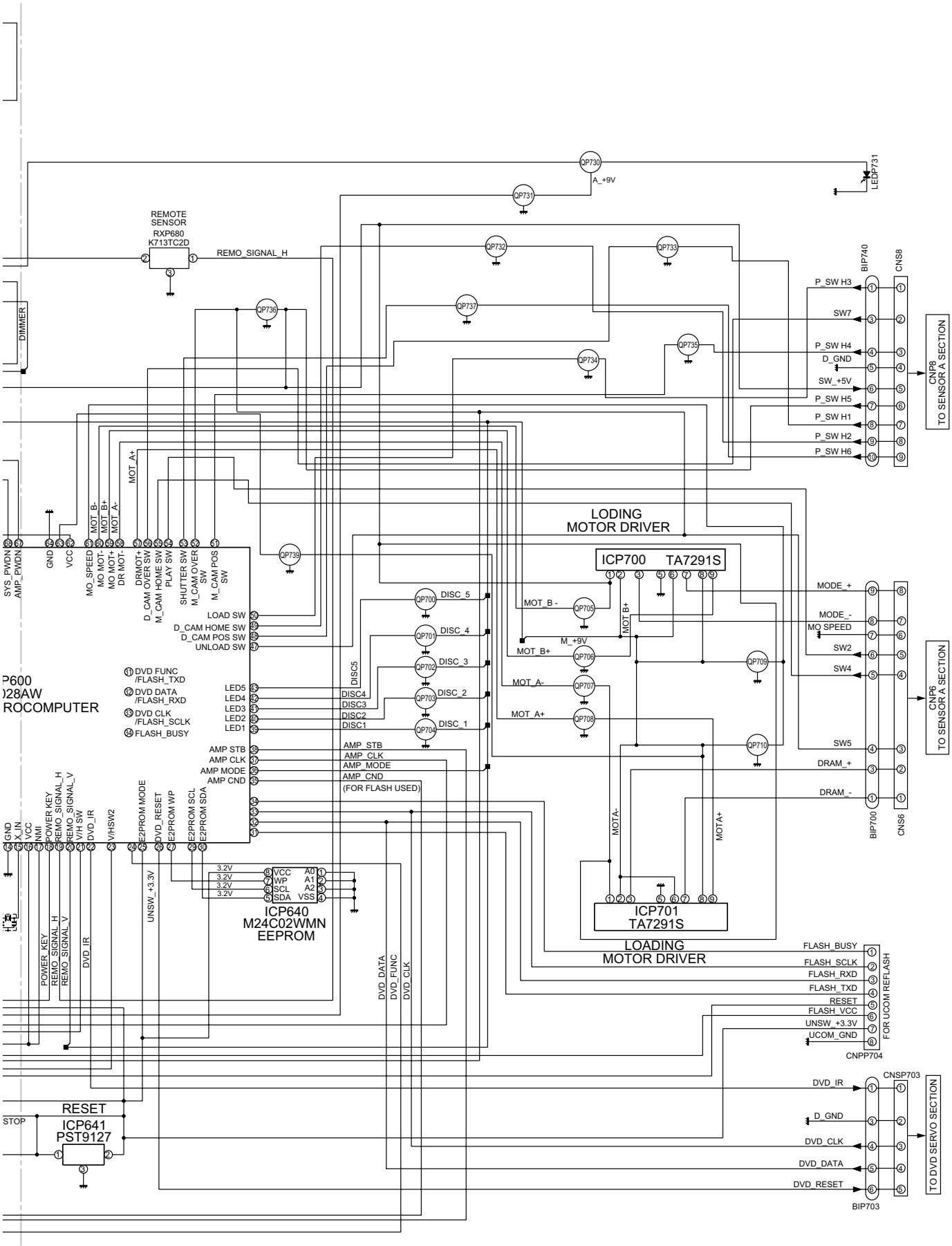


Figure 4-14 BLOCK DIAGRAM (14/18)

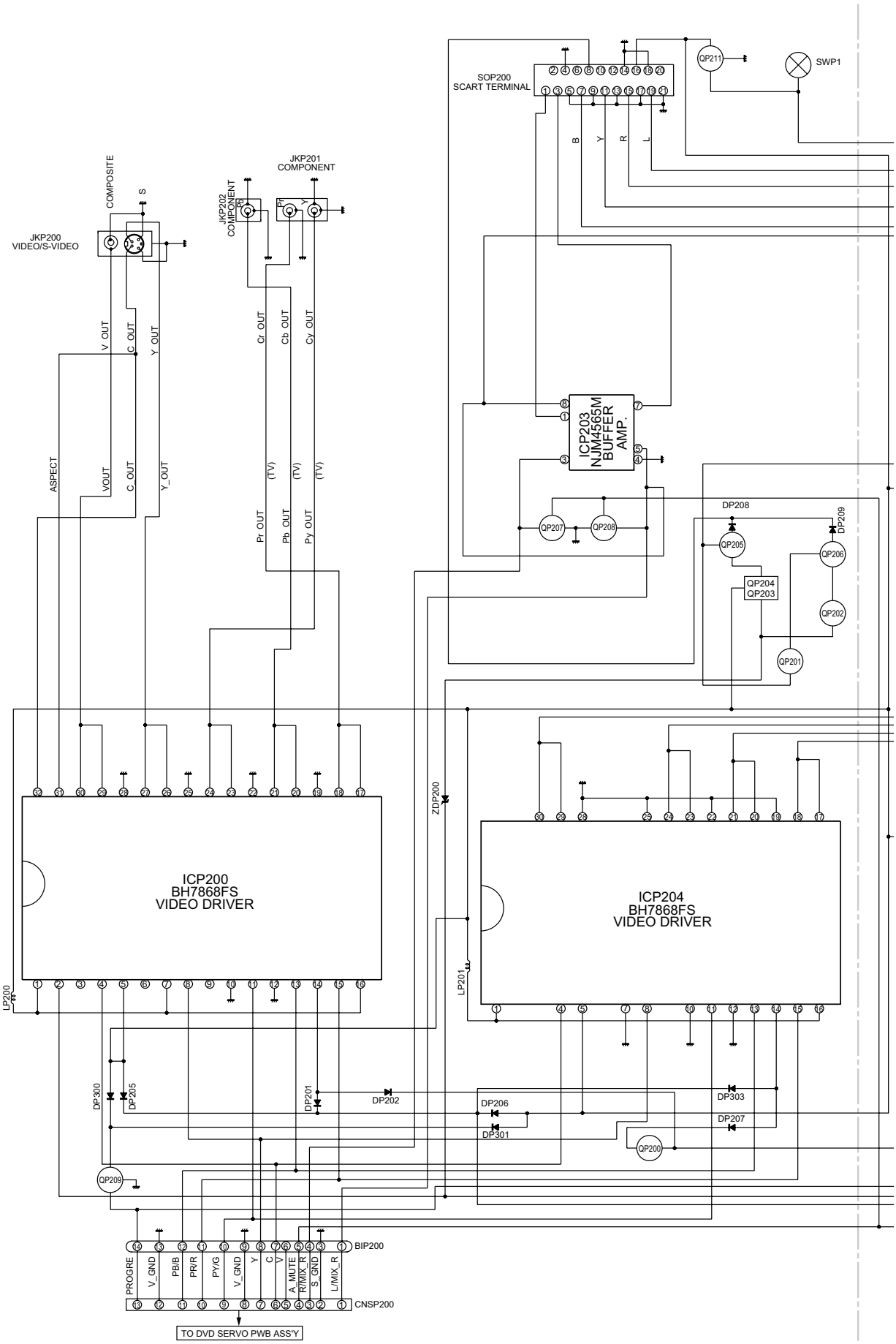


Figure 4-15 BLOCK DIAGRAM (15/18)

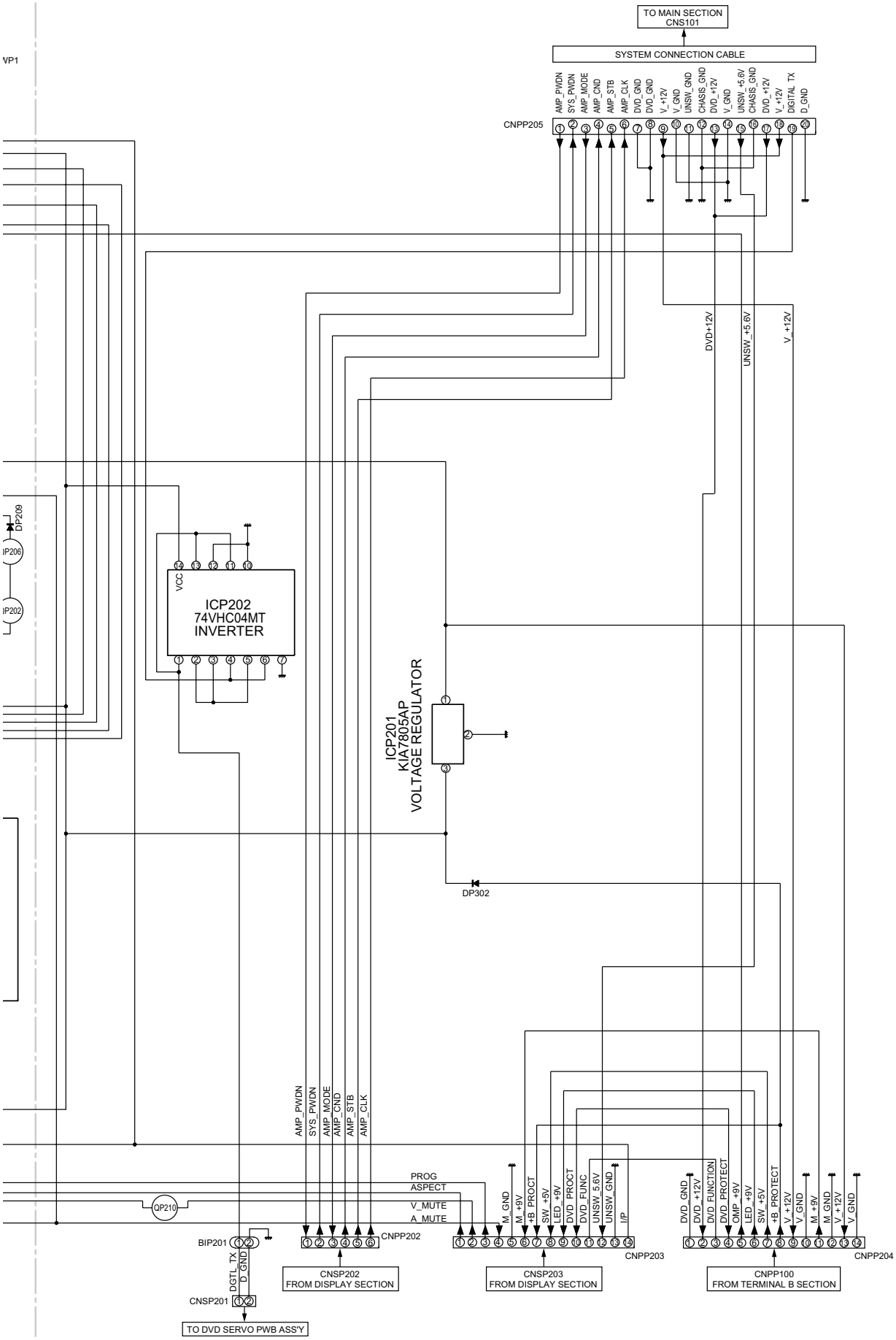


Figure 4-16 BLOCK DIAGRAM (16/18)

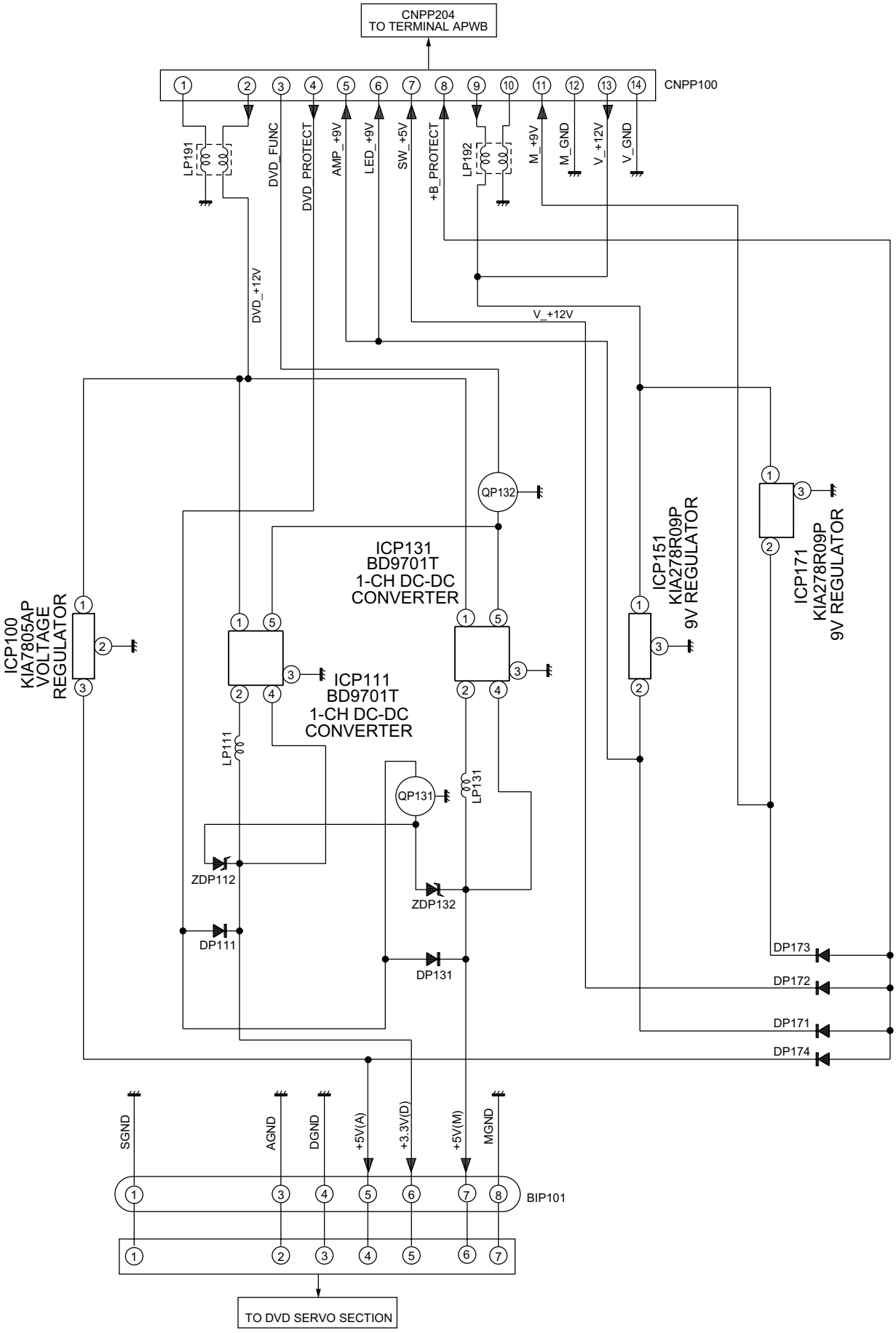


Figure 4-17 BLOCK DIAGRAM (17/18)

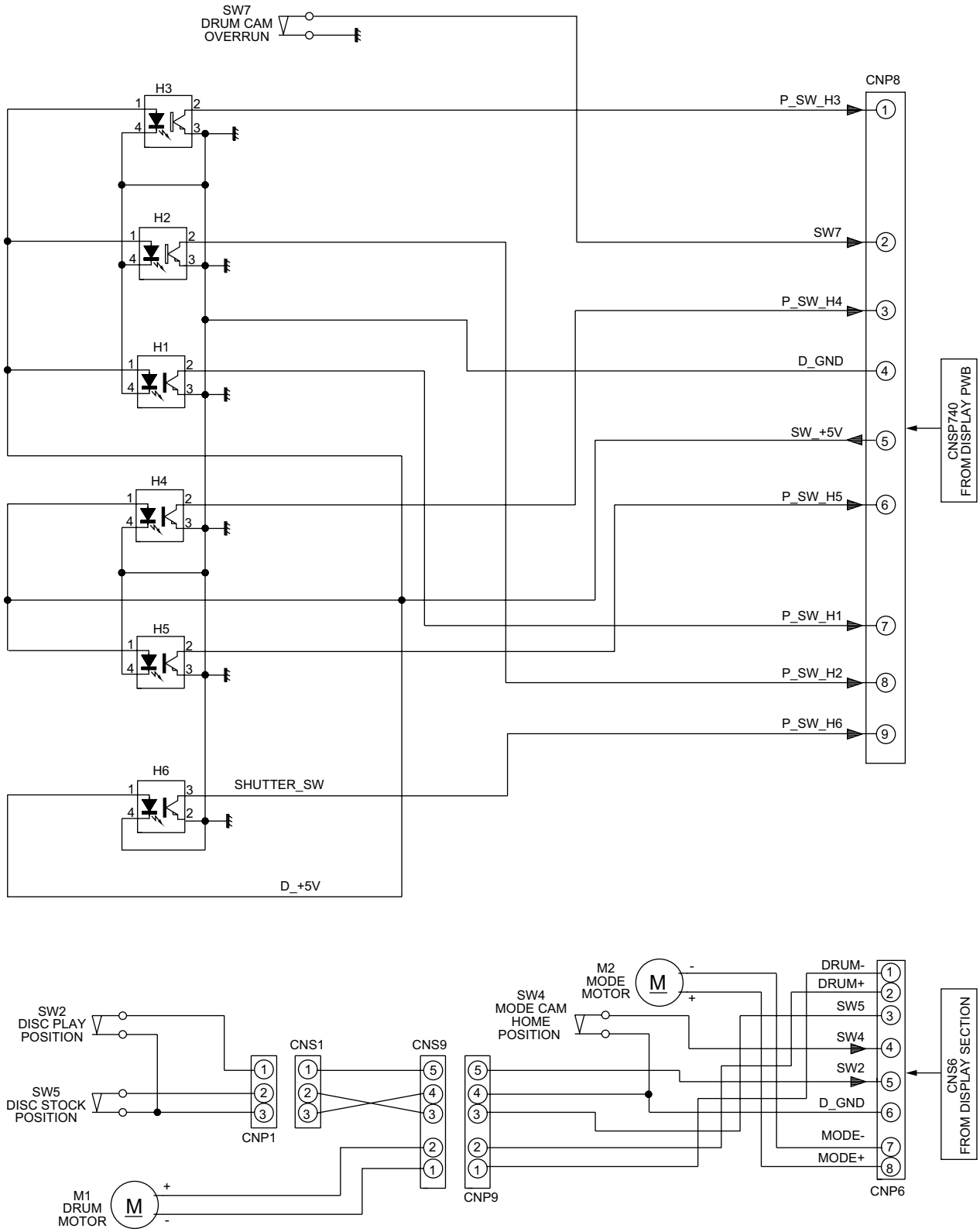


Figure 4-18 BLOCK DIAGRAM (18/18)

CHAPTER 5. CIRCUIT DESCRIPTION

[1] Notes on schematic diagram

- Resistor:
  To differentiate the units of resistors, such symbol as K and M are used: the symbol K means 1000 ohm and the symbol M means 1000 kohm and the resistor without any symbol is ohm-type resistor. Besides, the one with “Fusible” is a fuse type.
- Capacitor:
  To indicate the unit of capacitor, a symbol P is used: this symbol P means pico-farad and the unit of the capacitor without such a symbol is microfarad. As to electrolytic capacitor, the expression “capacitance/withstand voltage” is used.
  (CH), (TH), (RH), (UJ): Temperature compensation
  (ML): Mylar type
  (P.P.): Polypropylene type

- Schematic diagram and Wiring Side of P.W.Board for this model are subject to change for improvement without prior notice.
- The indicated voltage in each section is the one measured by Digital Multimeter between such a section and the chassis with no signal given.

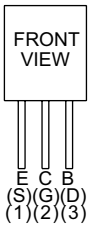
  1. In the tuner section,
     indicates AM
     indicates FM stereo
  2. In the CD section, the CD is stopped.

- Parts marked with “ ⚠ “ (⊏ ═ ═ ═ ⊐) are important for maintaining the safety of the set. Be sure to replace these parts with

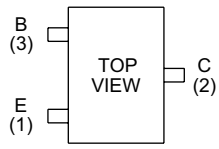
REF NO.	DESCRIPTION	POSITION
SW2	DISC PLAY POSITION	ON-OFF
SW4	MODE CAM HOME POSITION	ON-OFF
SW5	DISC STOCK POSITION	ON-OFF
SW7	DRUM CAM OVERRUN	ON-OFF
SWP1	COMPONENT VIDEO OUTPUT/ SCART OUTPUT SELECTOR	ON-OFF
SWP780	DISC5	ON-OFF
SWP781	DISC4	ON-OFF
SWP782	DISC3	ON-OFF
SWP783	DISC2	ON-OFF

REF NO.	DESCRIPTION	POSITION
SWP784	DISC1	ON-OFF
SWP785	STOP	ON-OFF
SWP786	F FWD	ON-OFF
SWP787	PLAY	ON-OFF
SWP788	REWIND	ON-OFF
SWP789	VOLUME DOWN	ON-OFF
SWP790	VOLUME UP	ON-OFF
SWP791	TINER (BAND)	ON-OFF
SWP792	FUNCTION	ON-OFF
SWP793	OPEN/CLOSE	ON-OFF
SWP794	POWER	ON-OFF

[2] Types of transistor and LED

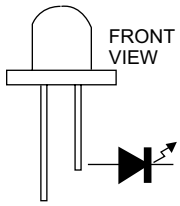


KRC102 M
KRC106 M
KTA1266 GR
KTA1273 Y
KTC2875 B
KTC3203 Y

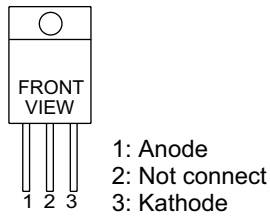


2SB709 AR
2SK208
KRA102 S
KRA105 S
KRA106 S
KRA107 S

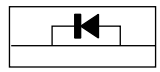
KRC102 S
KRC104 S
KRC107 S
KTA1504 GR
KTC3875 GR
CPH3418



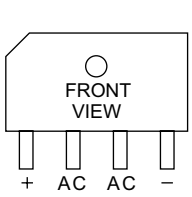
304BCB32
304VT2H3
50AWC2E46
A104GD2A
ACL110NB



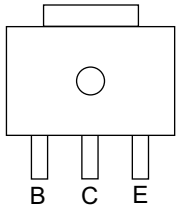
SARS03



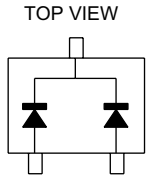
FMLG22S



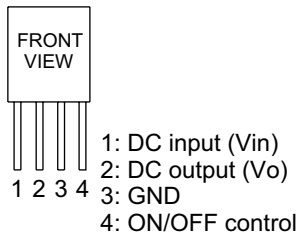
D5SB60



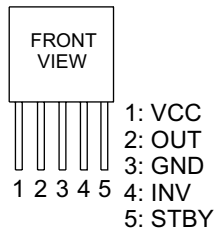
KTC4375 Y



KDS120E
KDS121E
KDS160
KDS226

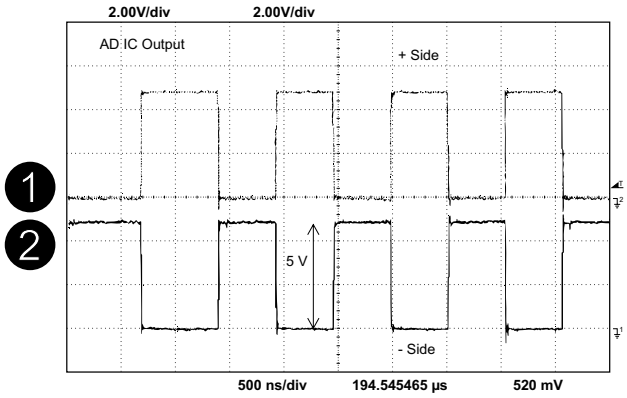


KIA278R09

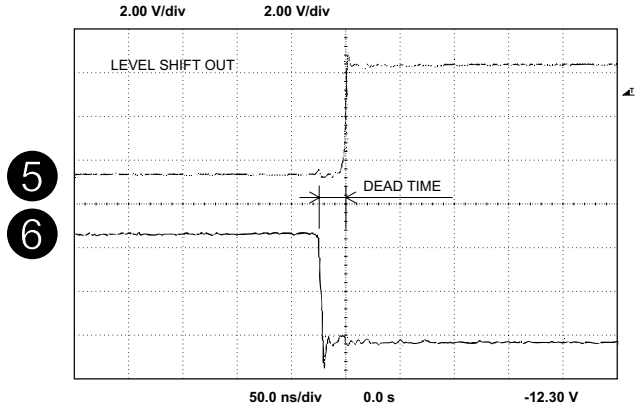


BD9701T

[3] Waveforms of 1-BIT circuit

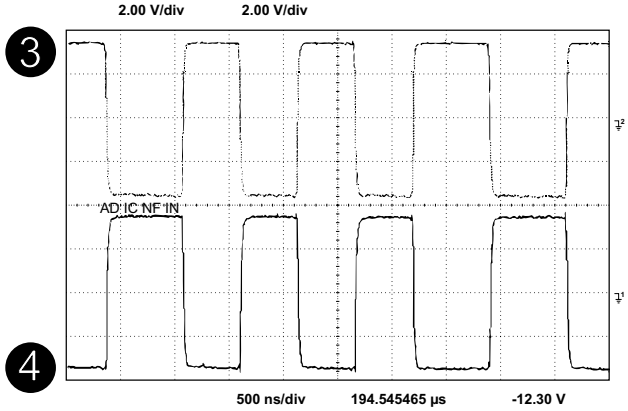


Amplitude
from 0 to 5 V

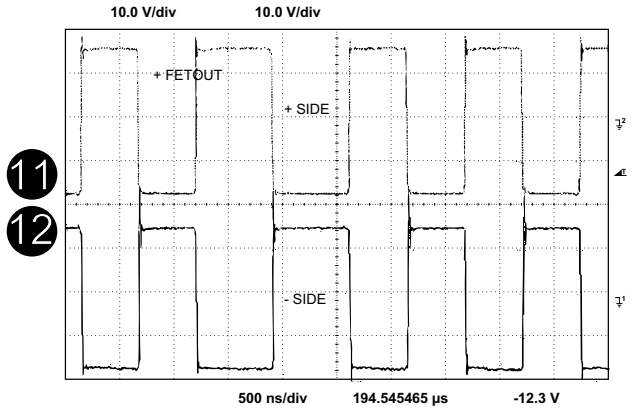


ZOOM UP

Dead time is generated by level shift input.
Leading edge is delayed at CR, passing R at DI.
Set value: 20 - 25 nsec.



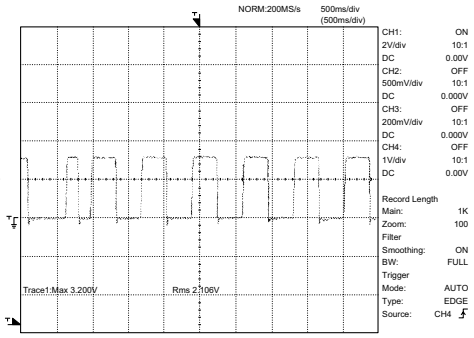
In partial pressure OUT, 4 to 7 V amplitude of GND reference is observed.
In IC of 75 kohms, the reference is 2.5 V because of VREF. Due to imaginary GND of operational amplifier inside IC, the waveform cannot be monitored.
This waveform is partial pressure OUT.



Waveforms before low-pass filters at both ends of the speaker.
H-bridge may be considered as BTL. However, here and at the gate drive, dead time is not observed; since bootstrap operates based on output, DEAD TIME part is in floating condition. The waveform on the HIGH side shows that only the booted voltage lowers.

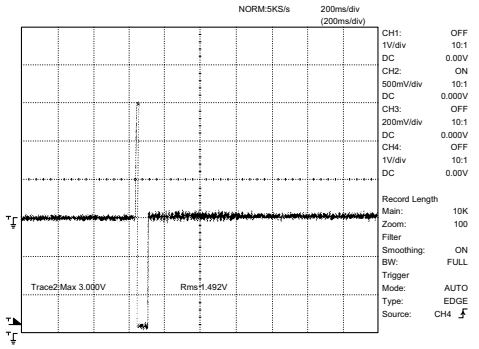
[4] Waveforms of DVD circuit

❶ SPDIF_OUT
IC10
124 Pin



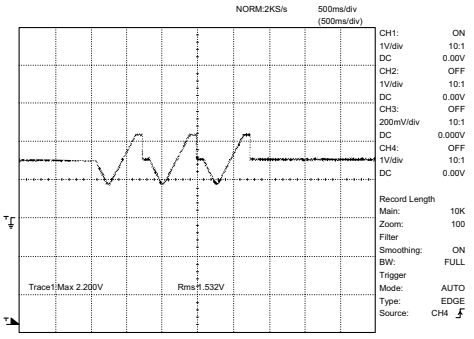
NO DISC

❷ SPINDLE
IC10
171 Pin



NO DISC

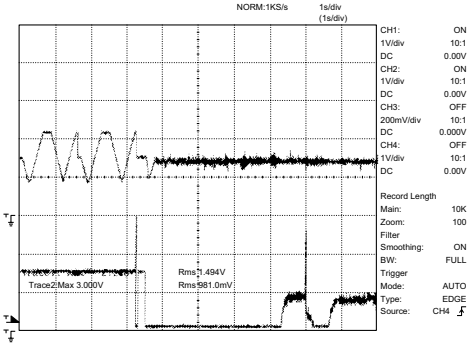
❸ FOCUS
IC10
172 Pin



DVD PLAYING

❸ FOCUS
IC10
172 Pin

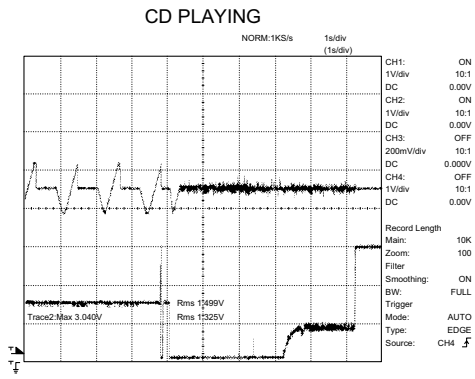
❷ SPINDLE
IC10
171 Pin



CD PLAYING

❸ FOCUS
IC10
172 Pin

❷ SPINDLE
IC10
171 Pin

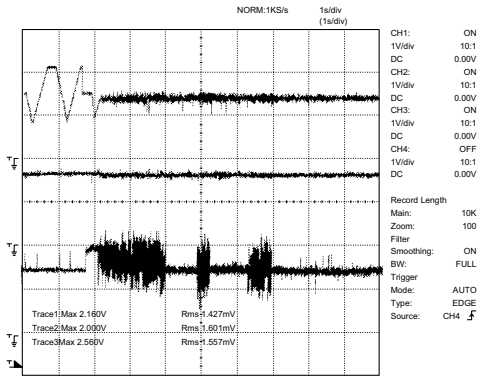


DVD PLAYING

❸ FOCUS
IC10
172 Pin

❹ FE
IC1
40 Pin

❺ TE
IC1
39 Pin

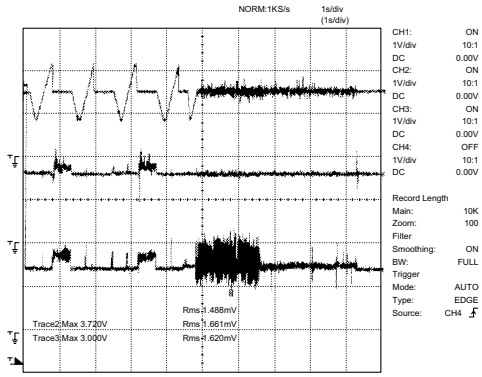


CD TOC READING

❸ FOCUS
IC10
172 Pin

❹ FE
IC1
40 Pin

❺ TE
IC1
39 Pin

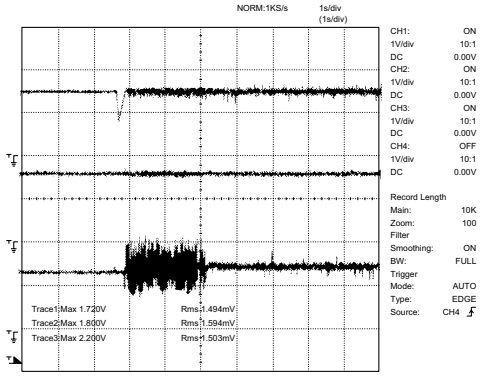


CD PLAYING

❸ FOCUS
IC10
172 Pin

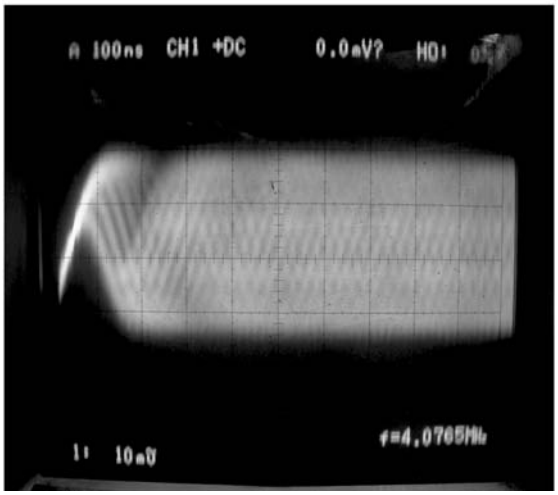
❹ FE
IC1
40 Pin

❺ TE
IC1
39 Pin



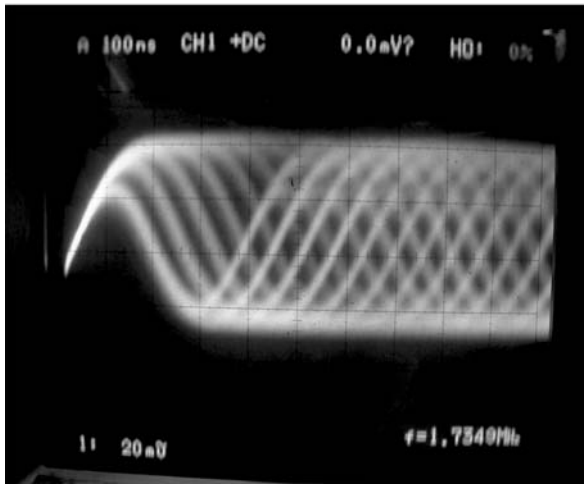
DVD PLAYING

❻



CD PLAYING

❻



[5] Voltage

IC101	
PIN NO	VOLTAGE
1	2.54 V
2	0 V
3	0 V
4	0 V
5	2.54 V
6	0 V
7	0 V
8	2.54 V
9	2.54 V
10	2.54 V
11	2.54 V
12	2.54 V
13	0 V
14	2.54 V
15	2.54 V
16	2.54 V
17	2.54 V
18	2.54 V
19	2.54 V
20	2.54 V
21	2.54 V
22	0 V
23	2.54 V
24	0 V
25	1.47 V
26	1.47 V
27	0 V
28	1.47 V
29	1.48 V
30	1.42 V
31	0 V
32	2.03 V
33	1.28 V
34	2.55 V
35	0 V
36	3.17 V
37	0 V
38	2.54 V
39	2.18 V
40	1.78 V
41	1.78 V
42	1.48 V
43	1.46 V
44	1.45 V

IC102	
PIN NO	VOLTAGE
1	2.44 V
2	2.00 V
3	4.93 V
4	0 V
5	3.28 V
6	0 V
7	1.63 V
8	1.65 V
9	1.63 V
10	1.24 V
11	0 V
12	0 V
13	0 V
14	0 V
15	0 V
16	0.48 V
17	0 V
18	2.72 V
19	2.71 V
20	0 V
21	0 V
22	4.98 V
23	4.98 V
24	2.49 V
25	0 V
26	2.49 V
27	2.48 V
28	2.49 V
29	2.48 V
30	2.49 V
31	2.48 V
32	2.46 V
33	2.46 V
34	4.93 V
35	1.20 V
36	0 V
37	2.44 V
38	0 V
39	2.44 V
40	0 V
41	2.44 V
42	0 V
43	2.44 V
44	3.28 V

IC501	
PIN NO	VOLTAGE
1	0 V
2	0 V
3	0 V
4	0 V
5	0 V
6	0 V
7	0 V
8	0 V
9	0 V
10	0 V
11	0 V
12	0 V
13	0 V
14	0 V
15	5.00 V
16	-7.19 V
17	0 V
18	7.12 V
19	-1.12 V
20	0 V
21	0 V
22	0 V
23	0 V
24	0 V
25	0 V
26	0 V
27	0 V
28	0 V
29	0 V
30	0 V
31	0 V
32	0 V
33	0 V
34	0 V
35	0 V
36	0 V
37	0 V
38	0 V
39	0 V
40	0 V
41	0 V
42	0 V
43	0 V
44	0 V
45	0 V
46	0 V
47	0 V
48	0 V
49	0 V
50	0 V
51	0 V
52	0 V
53	0 V
54	0 V
55	0 V
56	0 V

IC701			
PIN NO	VOLTAGE	PIN NO	VOLTAGE
1	0 V	51	0 V
2	0 V	52	3.04 V
3	0 V	53	3.10 V
4	0.71 V	54	3.12 V
5	3.11 V	55	3.12 V
6	0.74 V	56	3.12 V
7	0.58 V	57	0 V
8	0 V	58	0 V
9	0 V	59	0 V
10	0.67 V	60	0 V
11	0.93 V	61	0.65 V
12	3.10 V	62	3.14 V
13	1.41 V	63	0 V
14	0 V	64	0 V
15	1.30 V	65	3.13 V
16	3.13 V	66	3.13 V
17	3.13 V	67	3.17 V
18	3.32 V	68	0 V
19	2.94 V	69	3.17 V
20	0 V	70	3.17 V
21	0 V	71	0 V
22	0 V	72	0 V
23	2.87 V	73	3.13 V
24	0 V	74	3.13 V
25	0 V	75	0 V
26	0 V	76	0 V
27	0 V	77	0 V
28	0 V	78	0 V
29	3.24 V	79	0 V
30	3.24 V	80	0 V
31	0 V	81	0 V
32	0.78 V	82	3.17 V
33	0.72 V	83	3.16 V
34	0 V	84	3.08 V
35	0 V	85	3.09 V
36	3.03 V	86	3.04 V
37	0 V	87	3.11 V
38	3.13 V	88	3.09 V
39	3.13 V	89	3.16 V
40	2.84 V	90	2.80 V
41	0 V	91	3.19 V
42	0 V	92	3.16 V
43	0 V	93	3.28 V
44	3.12 V	94	1.36 V
45	0 V	95	3.35 V
46	0 V	96	0 V
47	0 V	97	0 V
48	0 V	98	3.35 V
49	0 V	99	3.18 V
50	0 V	100	3.17 V

ICP600			
PIN NO	VOLTAGE	PIN NO	VOLTAGE
1	0.63 V	51	0.16 V
2	3.05 V	52	0.16 V
3	2.49 V	53	0.16 V
4	3.51 V	54	3.66 V
5	1.29 V	55	3.66 V
6	0.35 V	56	3.66 V
7	0.35 V	57	0.34 V
8	0.35 V	58	0.34 V
9	0.35 V	59	0.34 V
10	0.82 V	60	0.34 V
11	0.35 V	61	0.34 V
12	3.48 V	62	0.34 V
13	1.85 V	63	3.52 V
14	1.89 V	64	0.34 V
15	1.68 V	65	0.34 V
16	3.52 V	66	0.34 V
17	3.52 V	67	0.34 V
18	3.59 V	68	3.32 V
19	3.49 V	69	0.34 V
20	3.49 V	70	3.60 V
21	3.52 V	71	0.34 V
22	0.35 V	72	0.34 V
23	3.49 V	73	0.34 V
24	3.49 V	74	0.34 V
25	0.55 V	75	0.34 V
26	3.52 V	76	0.95 V
27	0.35 V	77	0.34 V
28	0.35 V	78	0.34 V
29	0.43 V	79	3.51 V
30	3.66 V	80	0.34 V
31	0.35 V	81	3.52 V
32	3.66 V	82	0.34 V
33	3.66 V	83	3.52 V
34	0.35 V	84	3.51 V
35	3.52 V	85	0.34 V
36	3.42 V	86	0.34 V
37	3.52 V	87	0.34 V
38	3.52 V	88	0.34 V
39	3.50 V	89	0.34 V
40	0.35 V	90	3.66 V
41	0.35 V	91	3.66 V
42	3.21 V	92	0.35 V
43	0.35 V	93	0.28 V
44	0.35 V	94	3.59 V
45	0.35 V	95	3.59 V
46	3.66 V	96	0.34 V
47	3.66 V	97	3.59 V
48	0.16 V	98	3.60 V
49	0.16 V	99	3.51 V
50	0.16 V	100	3.49 V

IC507	
PIN NO	VOLTAGE
1	12.23 V
2	0 V
3	5.00 V

IC513	
PIN NO	VOLTAGE
1	12.07 V
2	0 V
3	9.00 V

ICP100	
PIN NO	VOLTAGE
1	12.42 V
2	0.43 V
3	4.57 V

ICP111	
PIN NO	VOLTAGE
1	12.51 V
2	0.23 V
3	0.42 V
4	0.39 V
5	0.40 V

ICP200	
PIN NO	VOLTAGE
1	4.74 V
2	0 V
3	0 V
4	2.01 V
5	4.36 V
6	1.16 V
7	4.74 V
8	1.15 V
9	2.02 V
10	0 V
11	1.16 V
12	0 V
13	2.00 V
14	4.35 V
15	2.01 V
16	4.74 V
17	2.11 V
18	0 V
19	0.89 V
20	0.77 V
21	0 V
22	0.87 V
23	0.75 V
24	0 V
25	0.85 V
26	0.75 V
27	0 V
28	2.08 V
29	2.07 V
30	0 V
31	2.10 V
32	2.09 V

ICP131	
PIN NO	VOLTAGE
1	12.41 V
2	0.40 V
3	0.44 V
4	0.24 V
5	0.42 V

ICP151	
PIN NO	VOLTAGE
1	12.28 V
2	8.75 V
3	0.30 V

ICP171	
PIN NO	VOLTAGE
1	12.28 V
2	8.75 V
3	0.30 V

ICP201	
PIN NO	VOLTAGE
1	11.10 V
2	0 V
3	4.84 V

ICP202	
PIN NO	VOLTAGE
1	0 V
2	3.12 V
3	3.12 V
4	0.19 V
5	3.12 V
6	0.19 V
7	0 V
8	3.13 V
9	0 V
10	2.80 V
11	0 V
12	2.80 V
13	0 V
14	3.12 V

ICP700	
PIN NO	VOLTAGE
1	5.03 V
2	8.77 V
3	0.29 V
4	0 V
5	0.27 V
6	8.77 V
7	0.29 V
8	4.25 V
9	5.03 V

ICP701	
PIN NO	VOLTAGE
1	5.03 V
2	8.77 V
3	0.28 V
4	0 V
5	0.28 V
6	8.77 V
7	0.28 V
8	4.22 V
9	5.03 V

ICP601	
PIN NO	VOLTAGE
1	4.24 V
2	0.92 V
3	5.94 V

ICP602	
PIN NO	VOLTAGE
1	3.66 V
2	0.35 V
3	5.11 V

ICP641	
PIN NO	VOLTAGE
1	3.60 V
2	3.60 V
3	0.35 V

— M E M O —

CHAPTER 6. CIRCUIT SCHEMATICS AND PARTS LAYOUT

[1] Wiring side of PWB

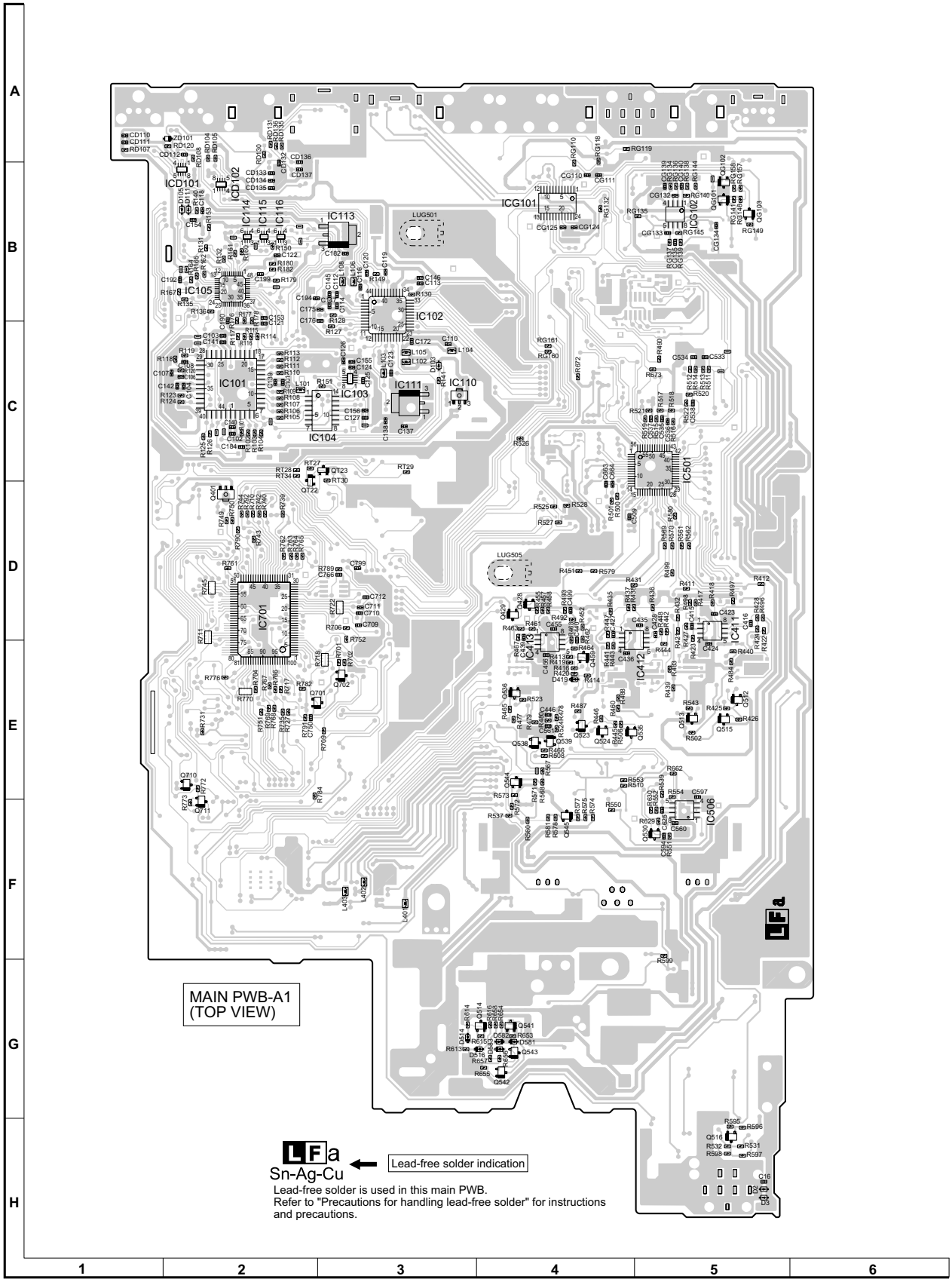
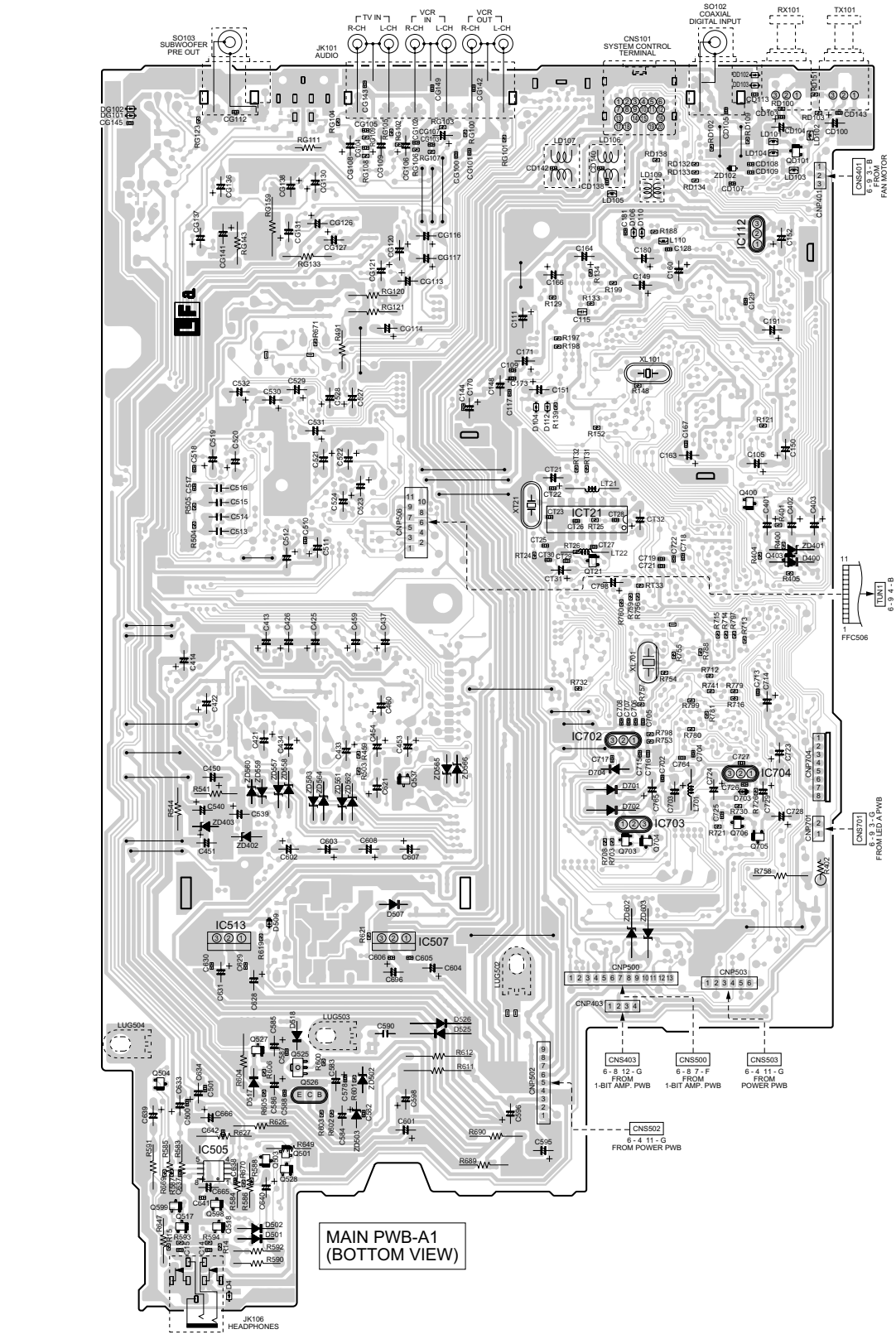


Figure 6-1 WIRING SIDE OF PWB (1/12)



7	8	9	10	11	12

Figure 6-2 WIRING SIDE OF PWB (2/12)

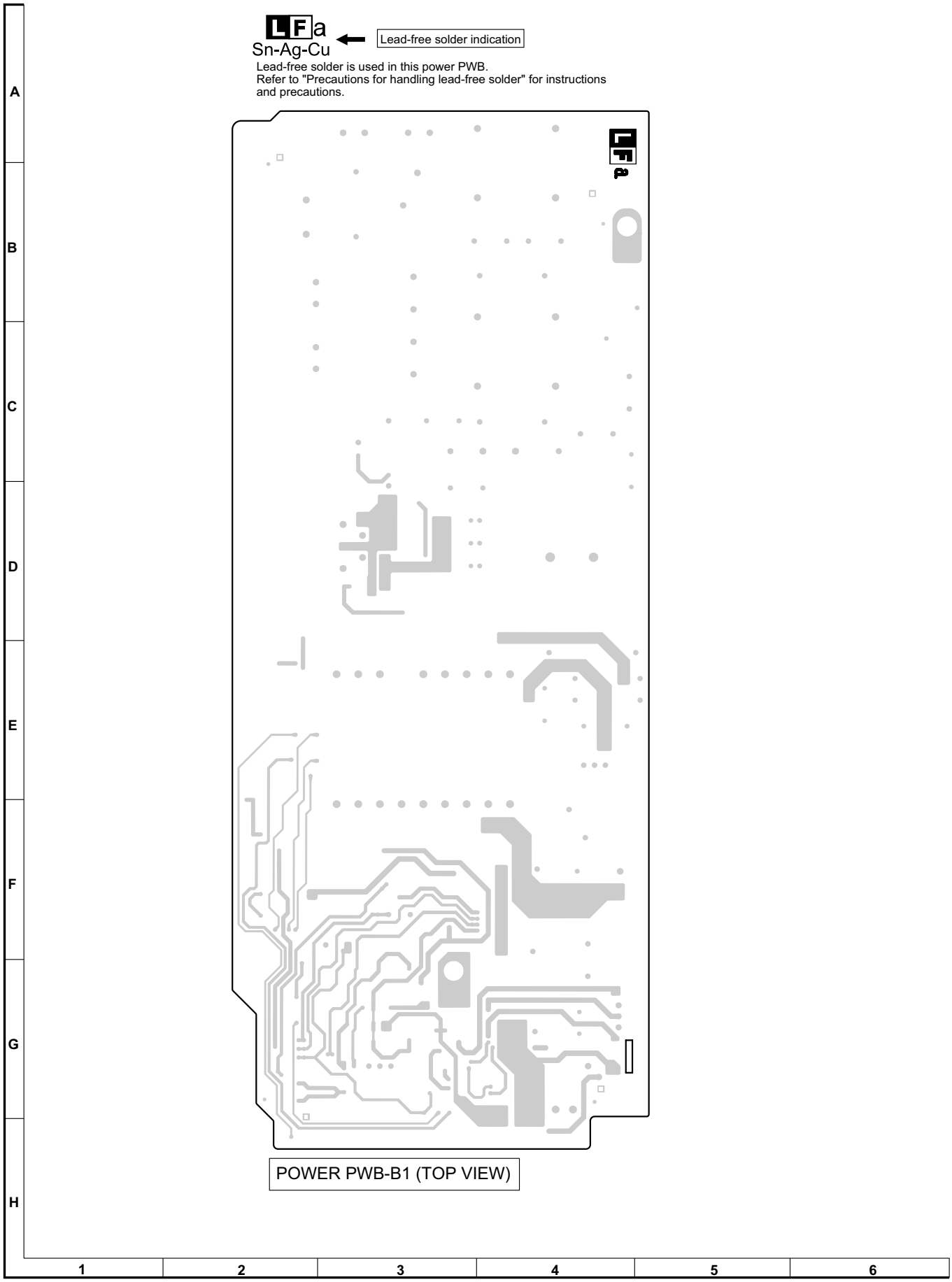
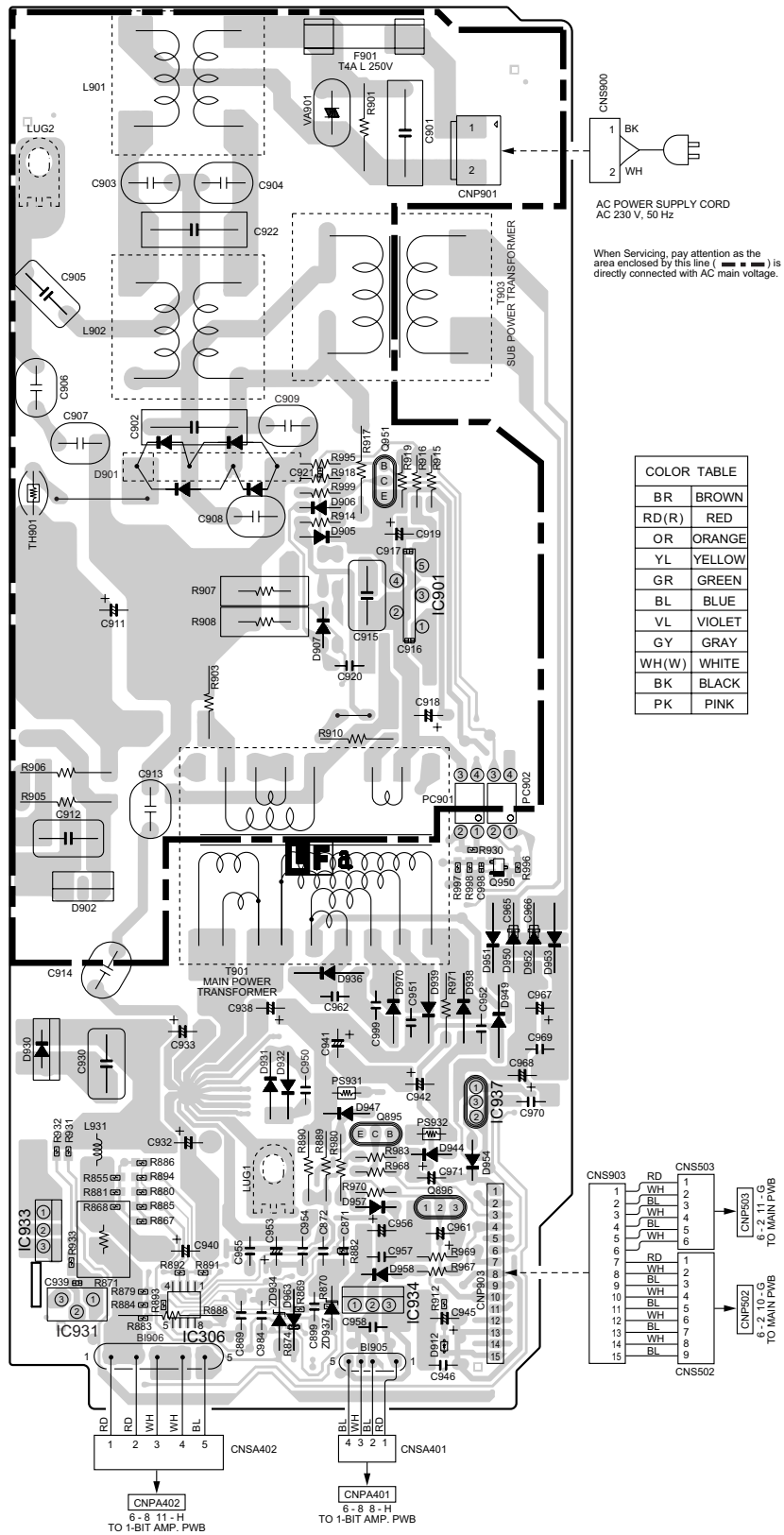


Figure 6-3 WIRING SIDE OF PWB (3/12)

POWER PWB-B1 (BOTTOM VIEW)



COLOR	TABLE
BR	BROWN
RD(R)	RED
OR	ORANGE
YL	YELLOW
GR	GREEN
BL	BLUE
VL	VIOLET
GY	GRAY
WH(W)	WHITE
BK	BLACK
PK	PINK

7	8	9	10	11	12

Figure 6-4 WIRING SIDE OF PWB (4/12)

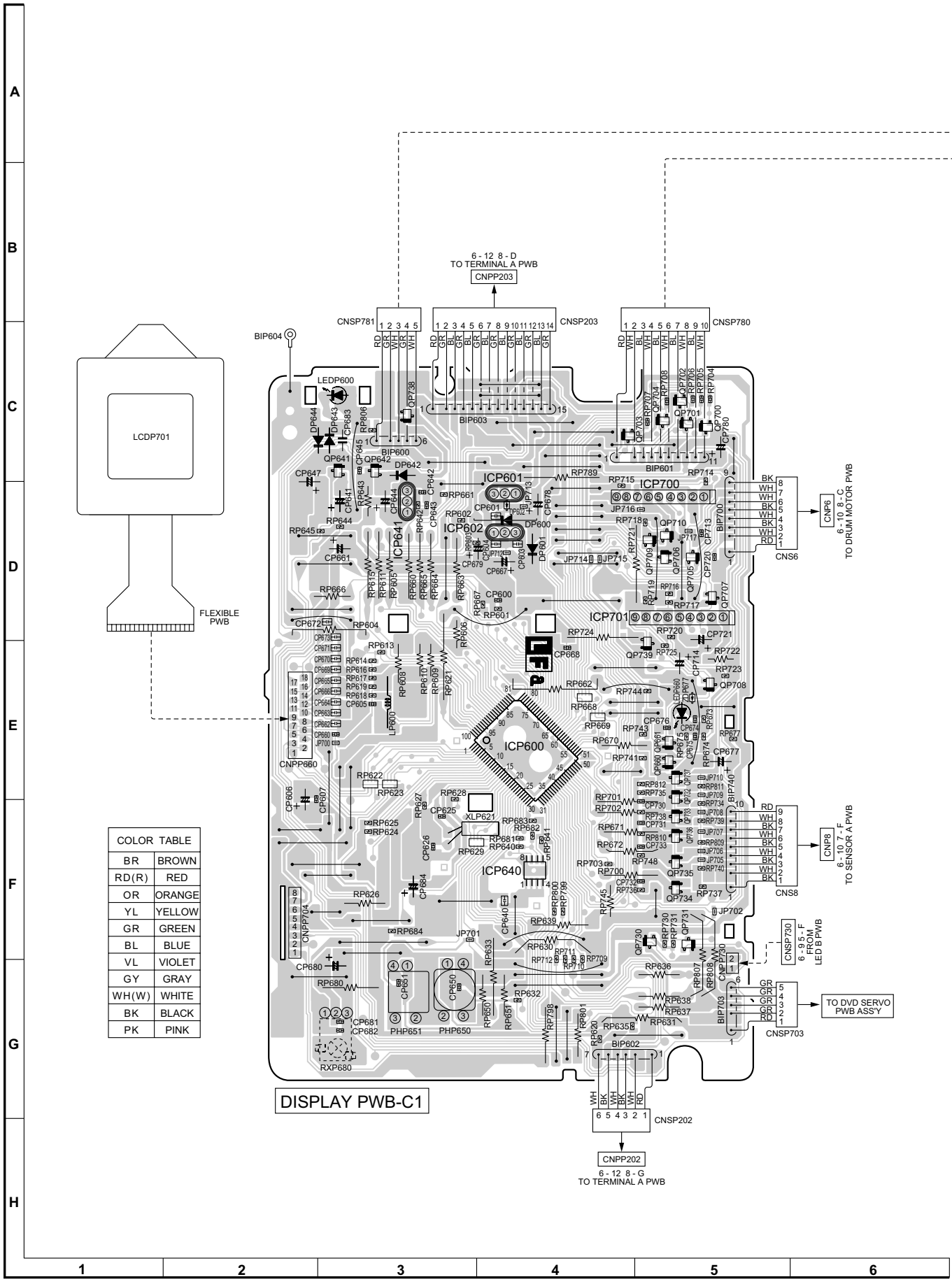
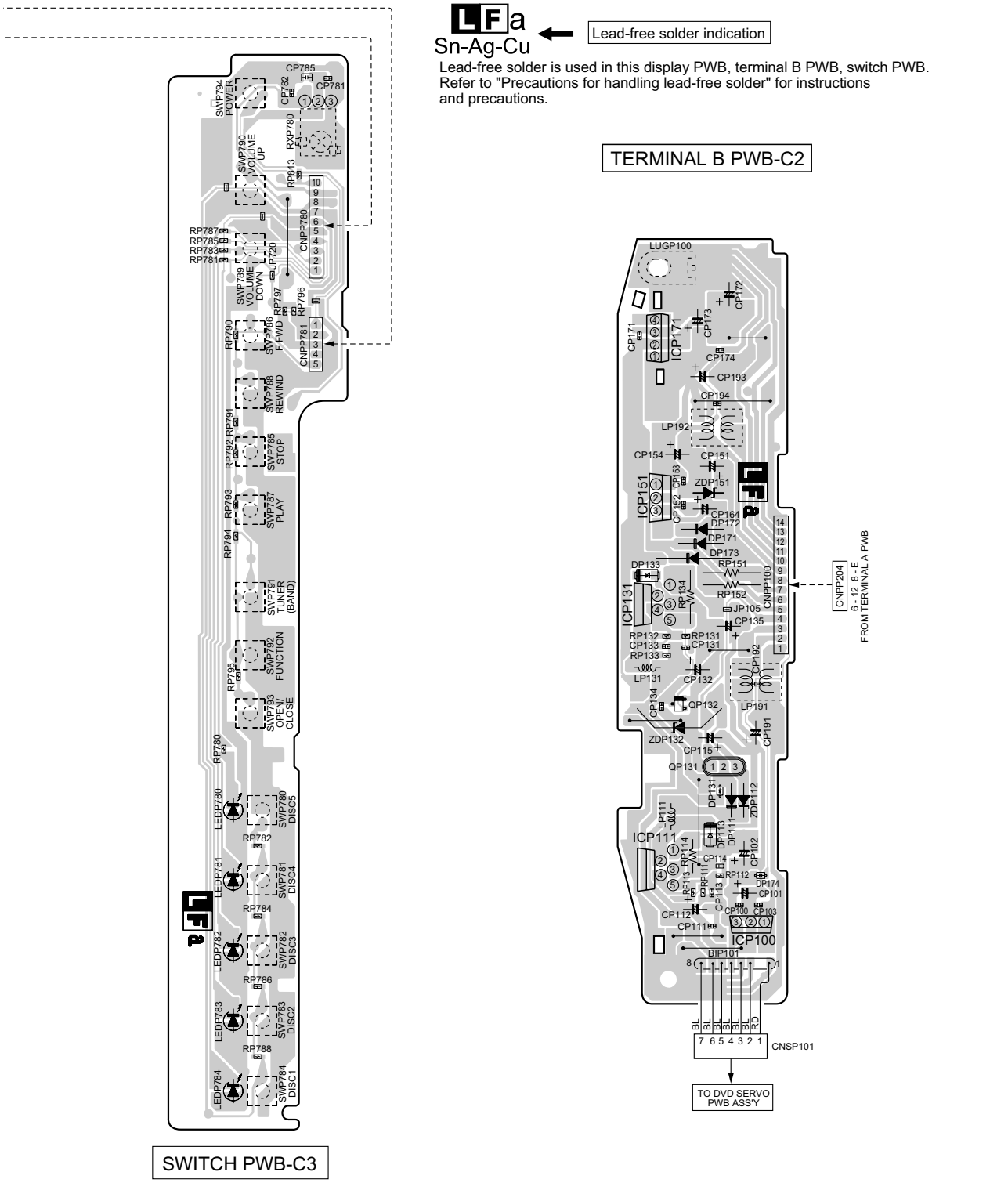


Figure 6-5 WIRING SIDE OF PWB (5/12)



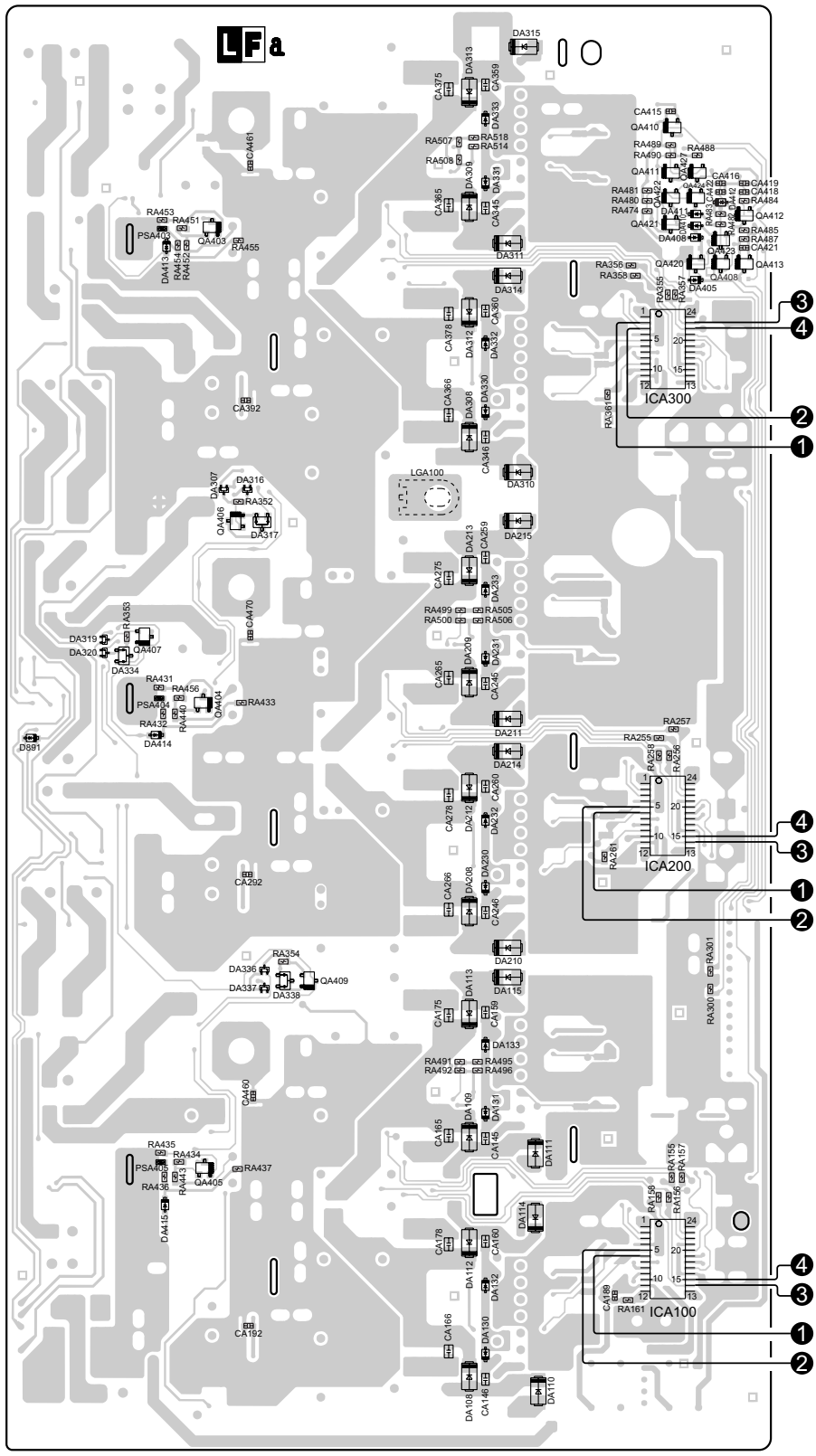
7	8	9	10	11	12

Figure 6-6 WIRING SIDE OF PWB (6/12)

1-BIT AMP. PWB-B2 (TOP VIEW)

LFa Sn-Ag-Cu ← Lead-free solder indication

Lead-free solder is used in this 1-bit amp. PWB.
Refer to "Precautions for handling lead-free solder" for instructions and precautions.



• The numbers ❶ to ❻, ⓫, ⓬ are waveform numbers shown in page 5-2.

Figure 6-7 WIRING SIDE OF PWB (7/12)

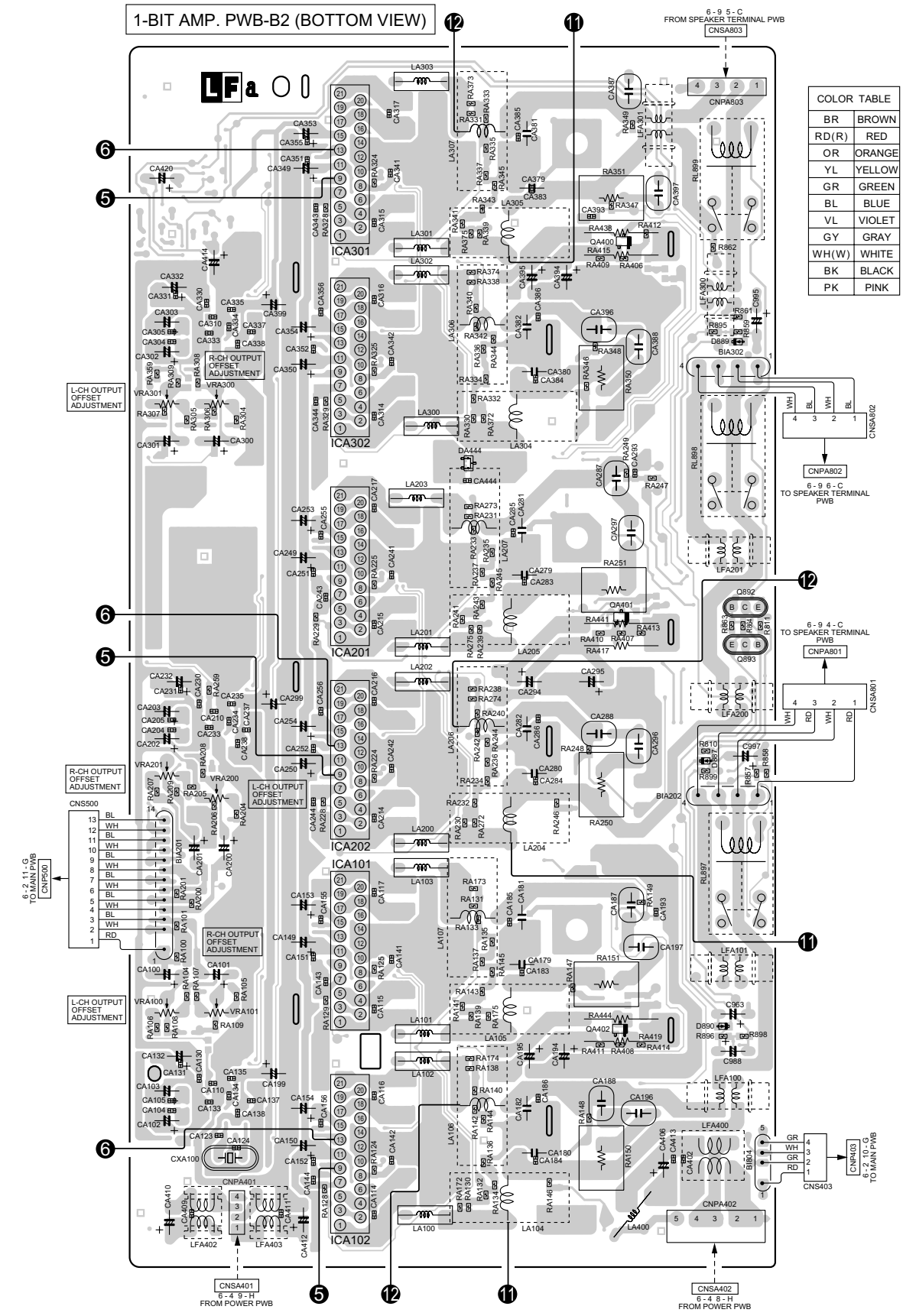


Figure 6-8 WIRING SIDE OF PWB (8/12)

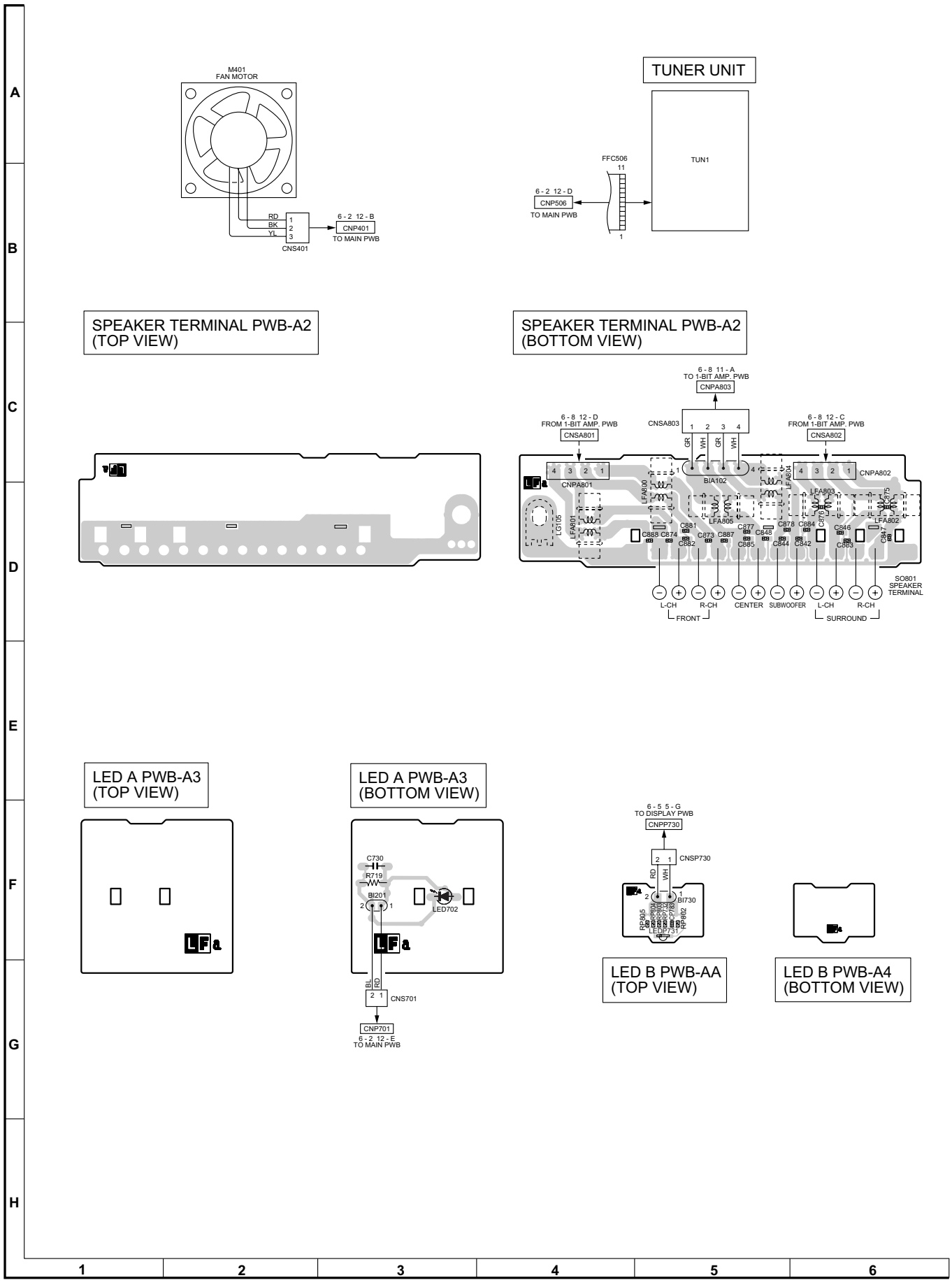
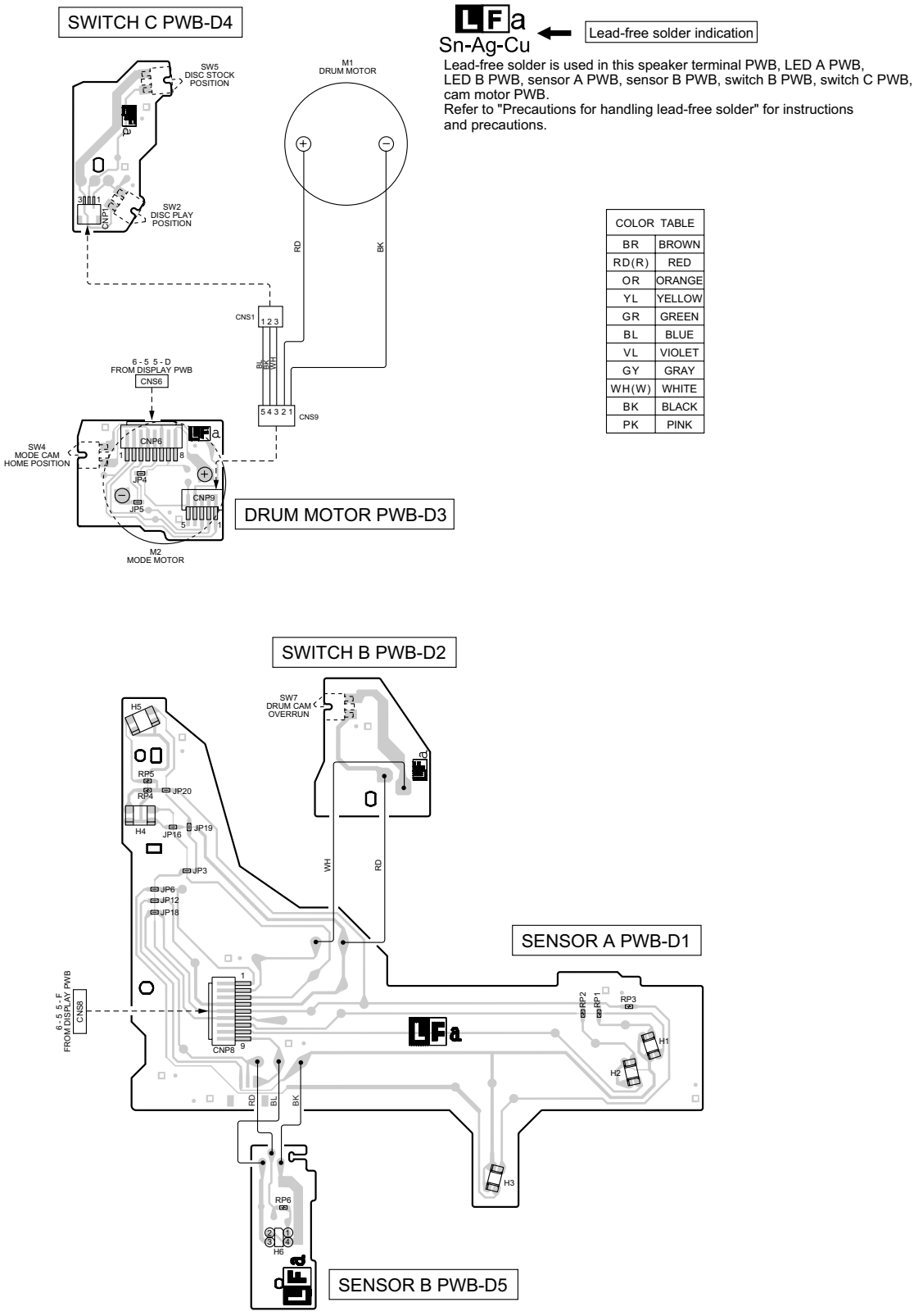


Figure 6-9 WIRING SIDE OF PWB (9/12)



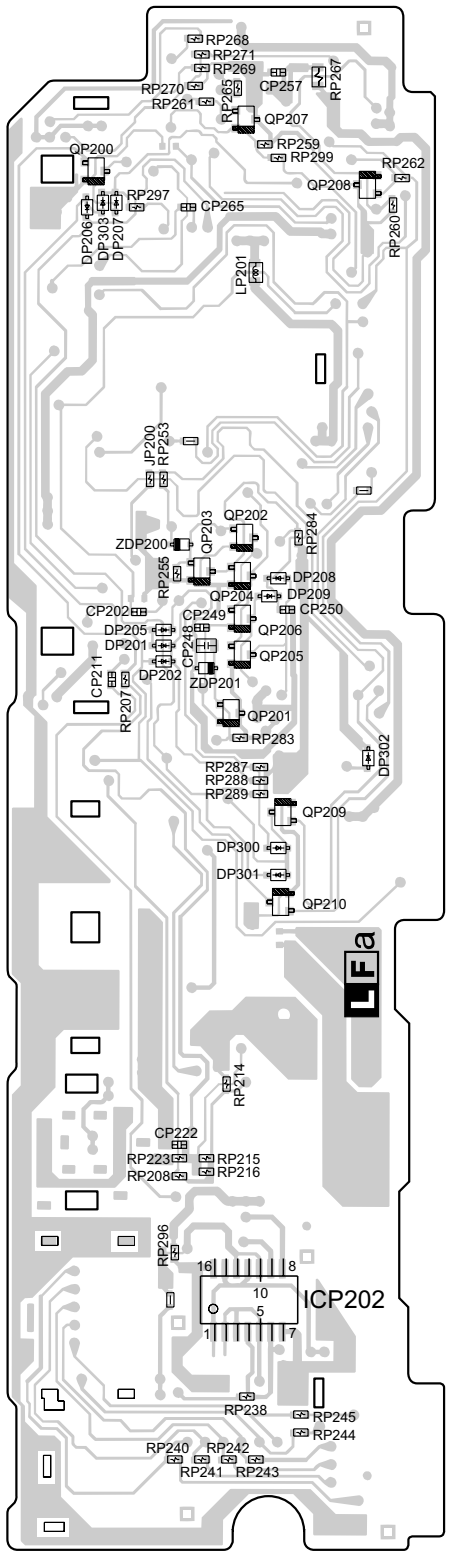
7	8	9	10	11	12

Figure 6-10 WIRING SIDE OF PWB (10/12)

LFa
Sn-Ag-Cu ← Lead-free solder indication

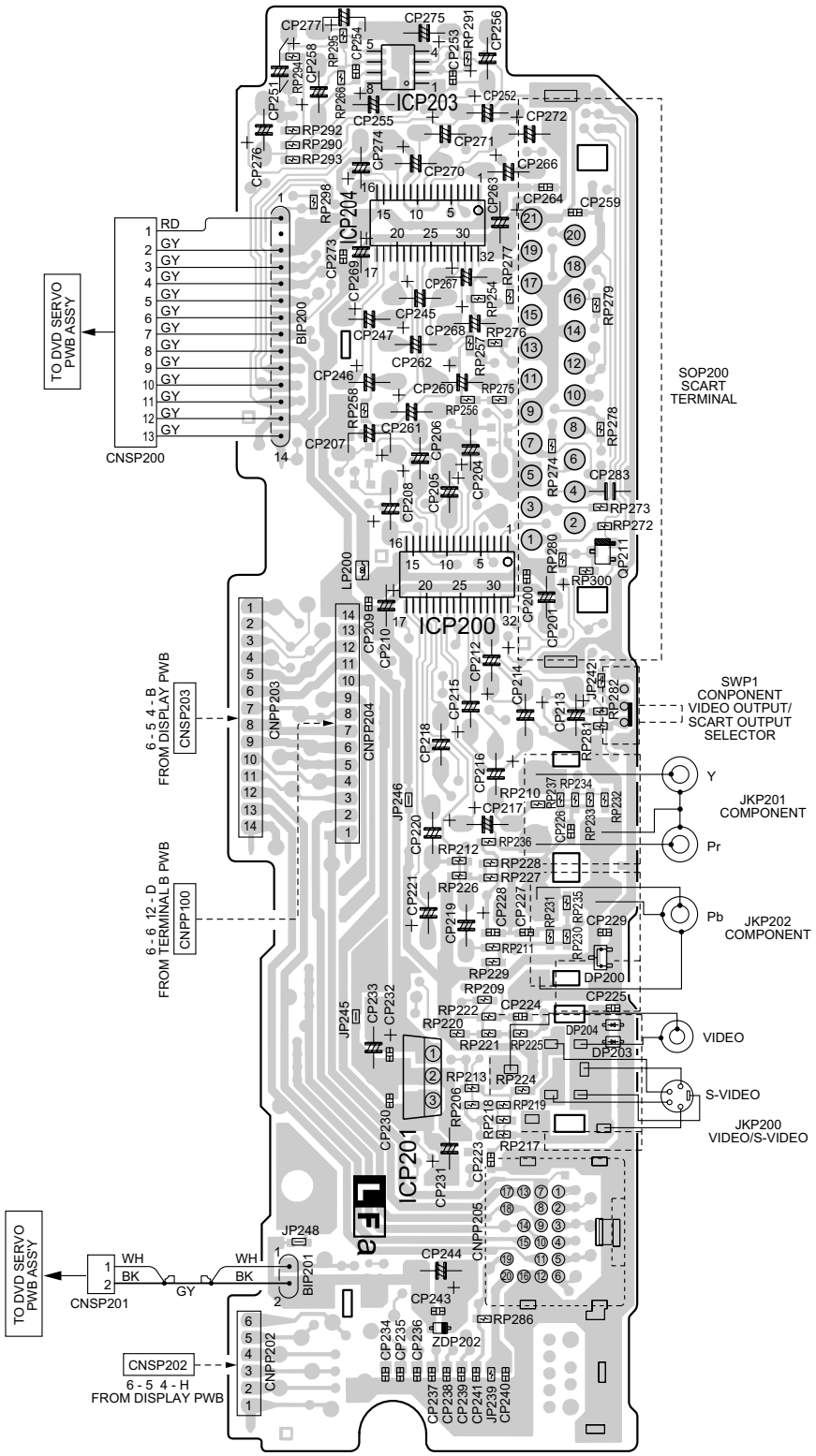
Lead-free solder is used in this terminal A PWB.
Refer to "Precautions for handling lead-free solder" for instructions and precautions.

COLOR TABLE	
BR	BROWN
RD(R)	RED
OR	ORANGE
YL	YELLOW
GR	GREEN
BL	BLUE
VL	VIOLET
GY	GRAY
WH(W)	WHITE
BK	BLACK
PK	PINK



TERMINAL A PWB-F (TOP VIEW)

Figure 6-11 WIRING SIDE OF PWB (11/12)



TERMINAL A PWB-F (BOTTOM VIEW)

7	8	9	10	11	12

Figure 6-12 WIRING SIDE OF PWB (12/12)

[2] Schematic diagram

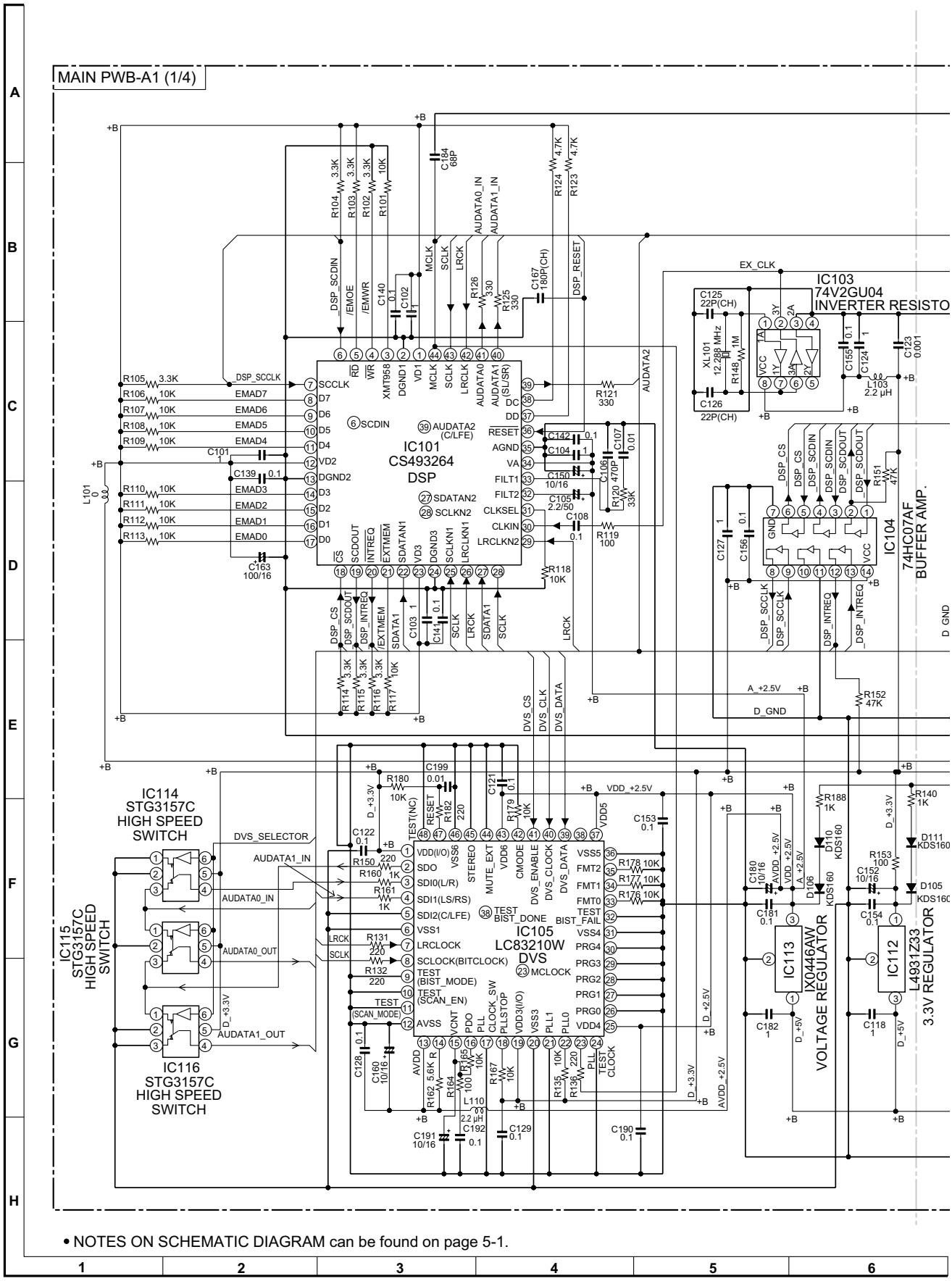
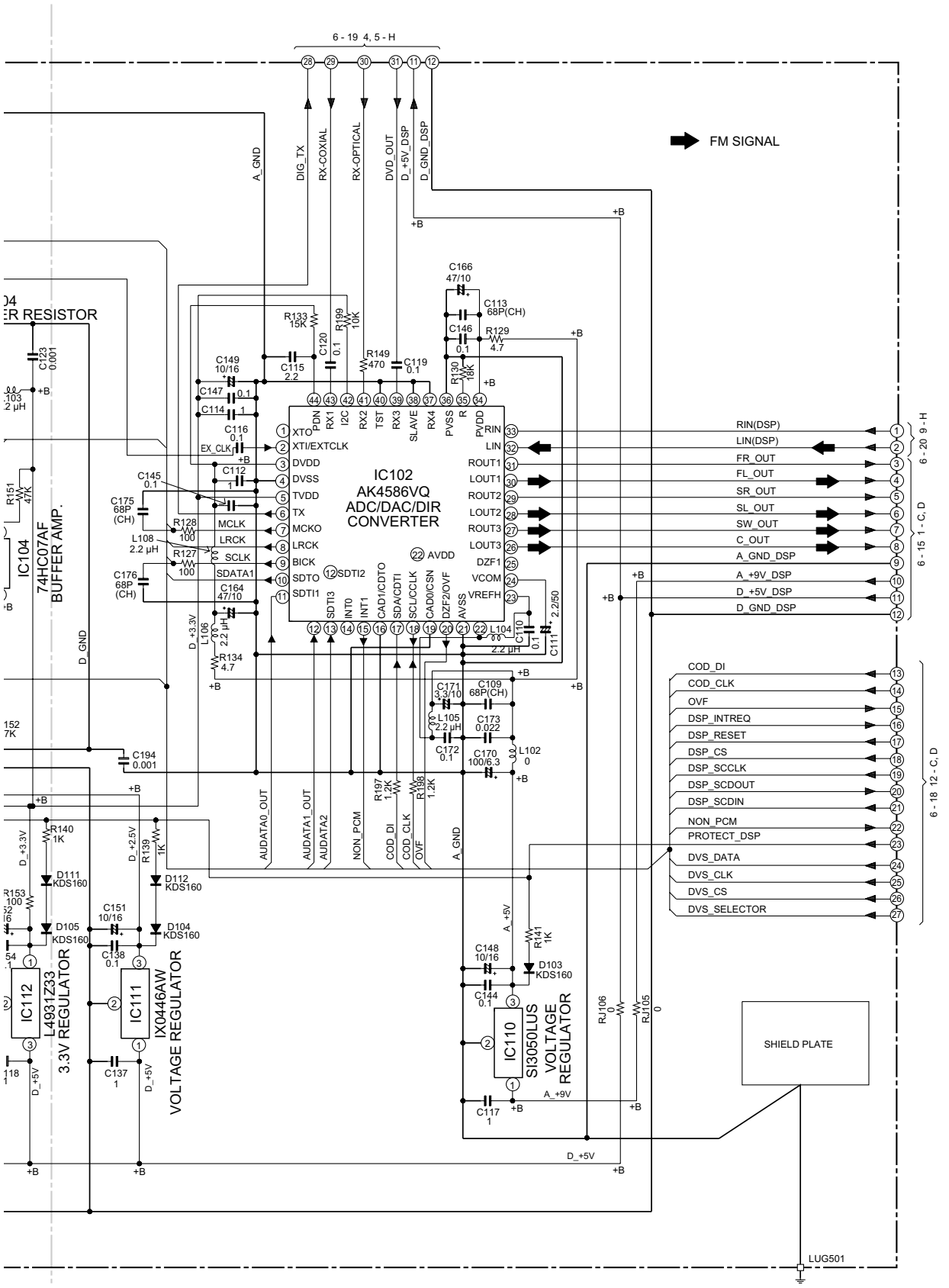


Figure 6-13 SCHEMATIC DIAGRAM (1/18)



7	8	9	10	11	12

Figure 6-14 SCHEMATIC DIAGRAM (2/18)

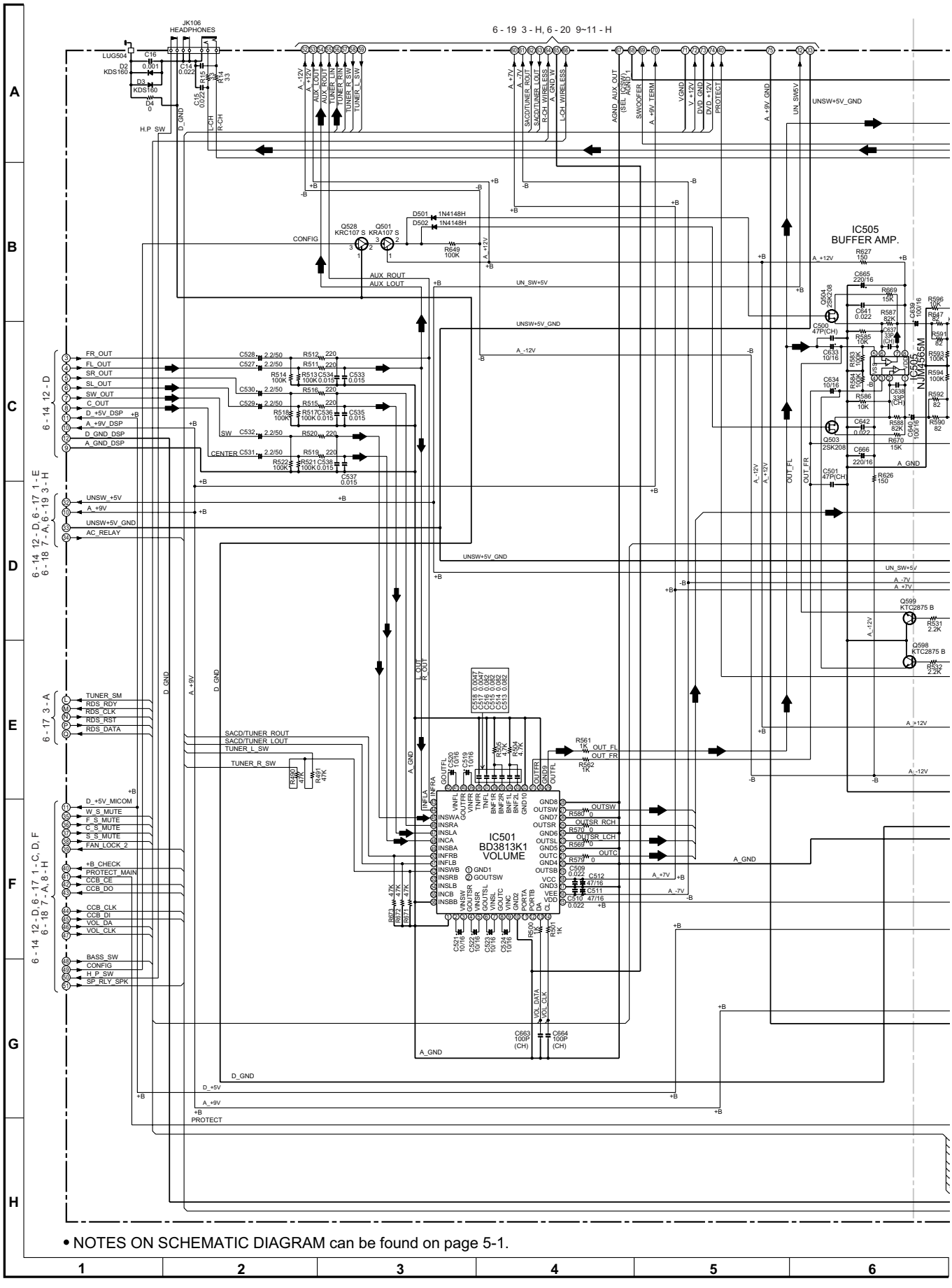
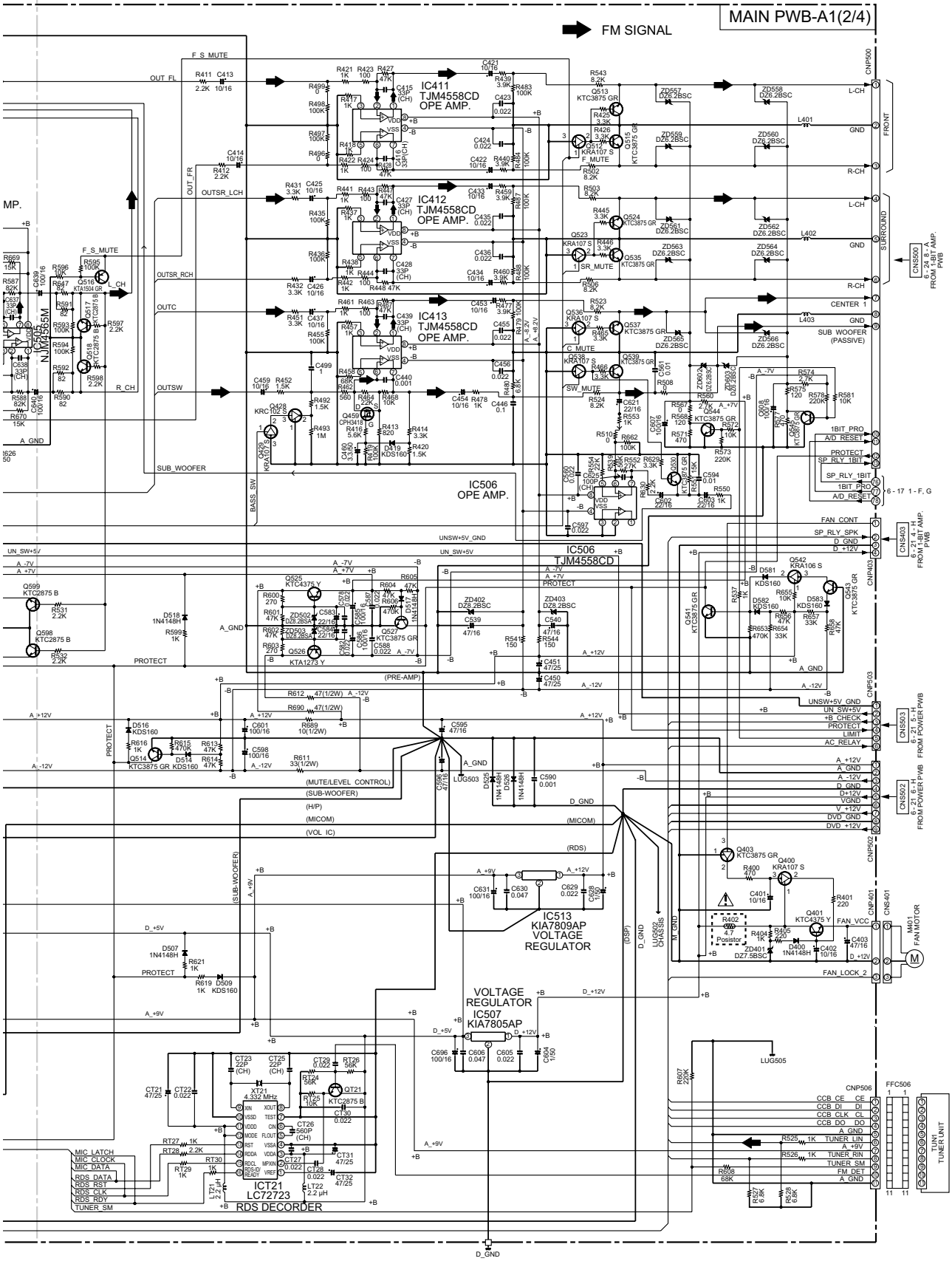
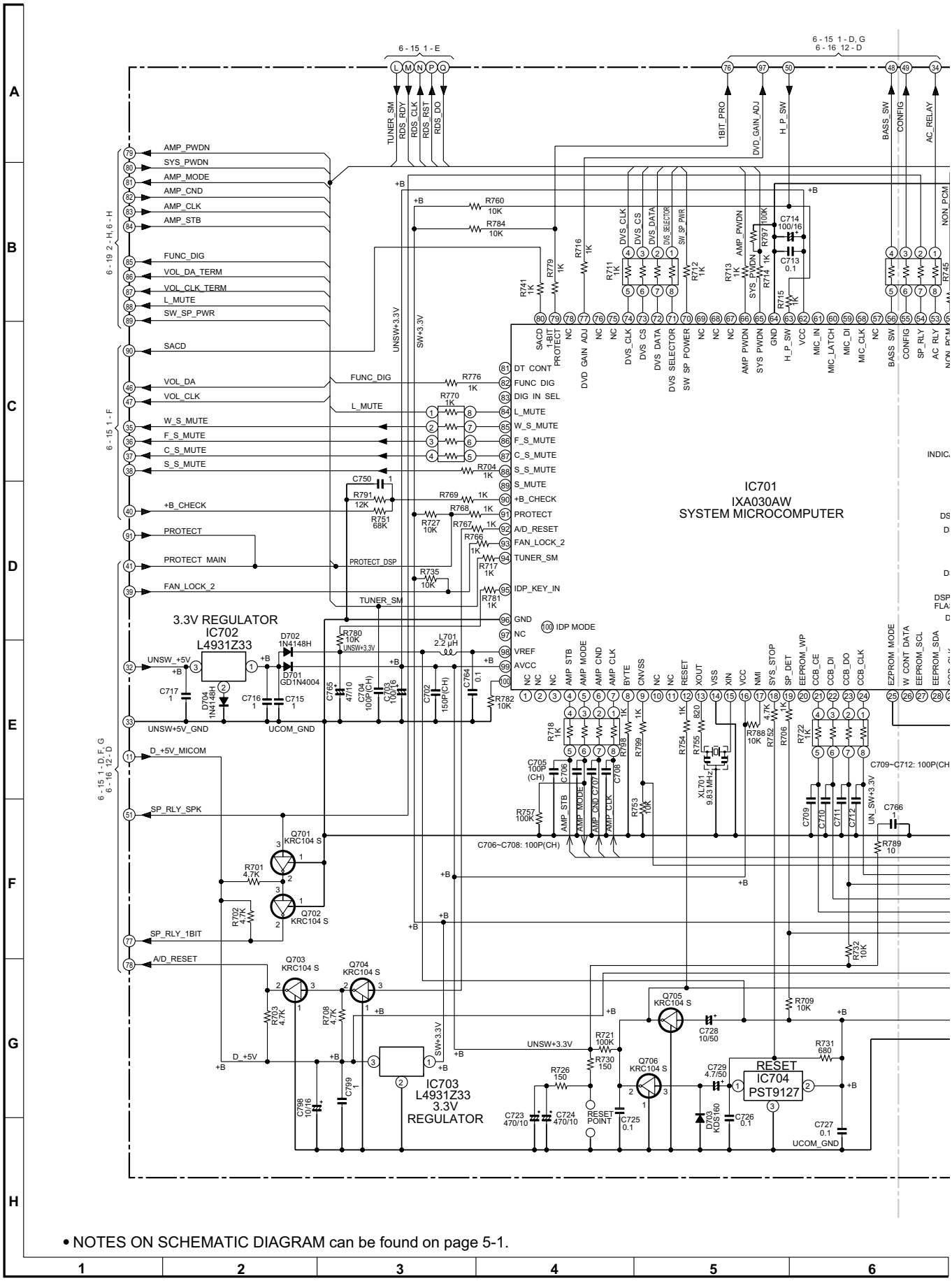


Figure 6-15 SCHEMATIC DIAGRAM (3/18)



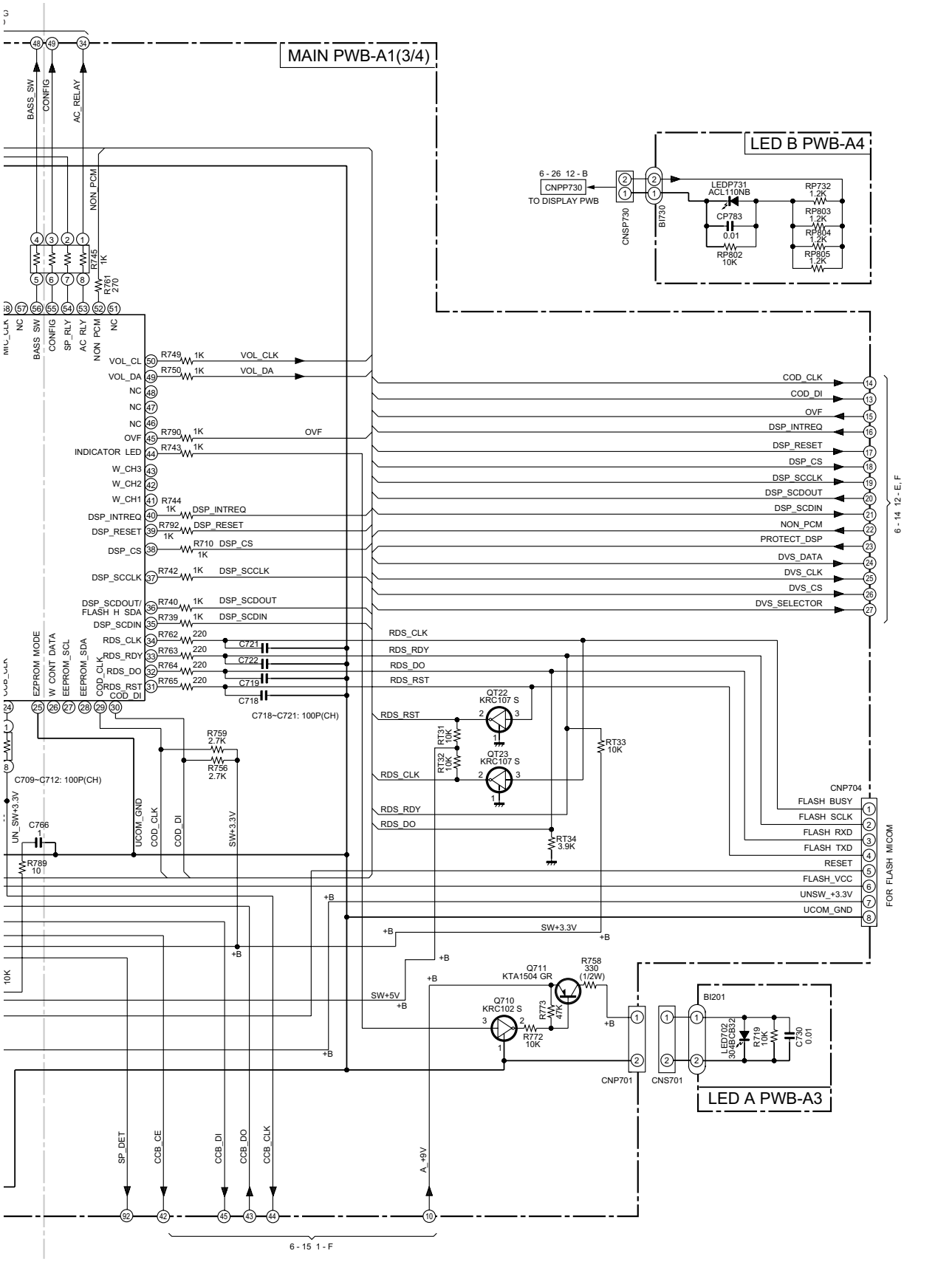
7	8	9	10	11	12

Figure 6-16 SCHEMATIC DIAGRAM (4/18)



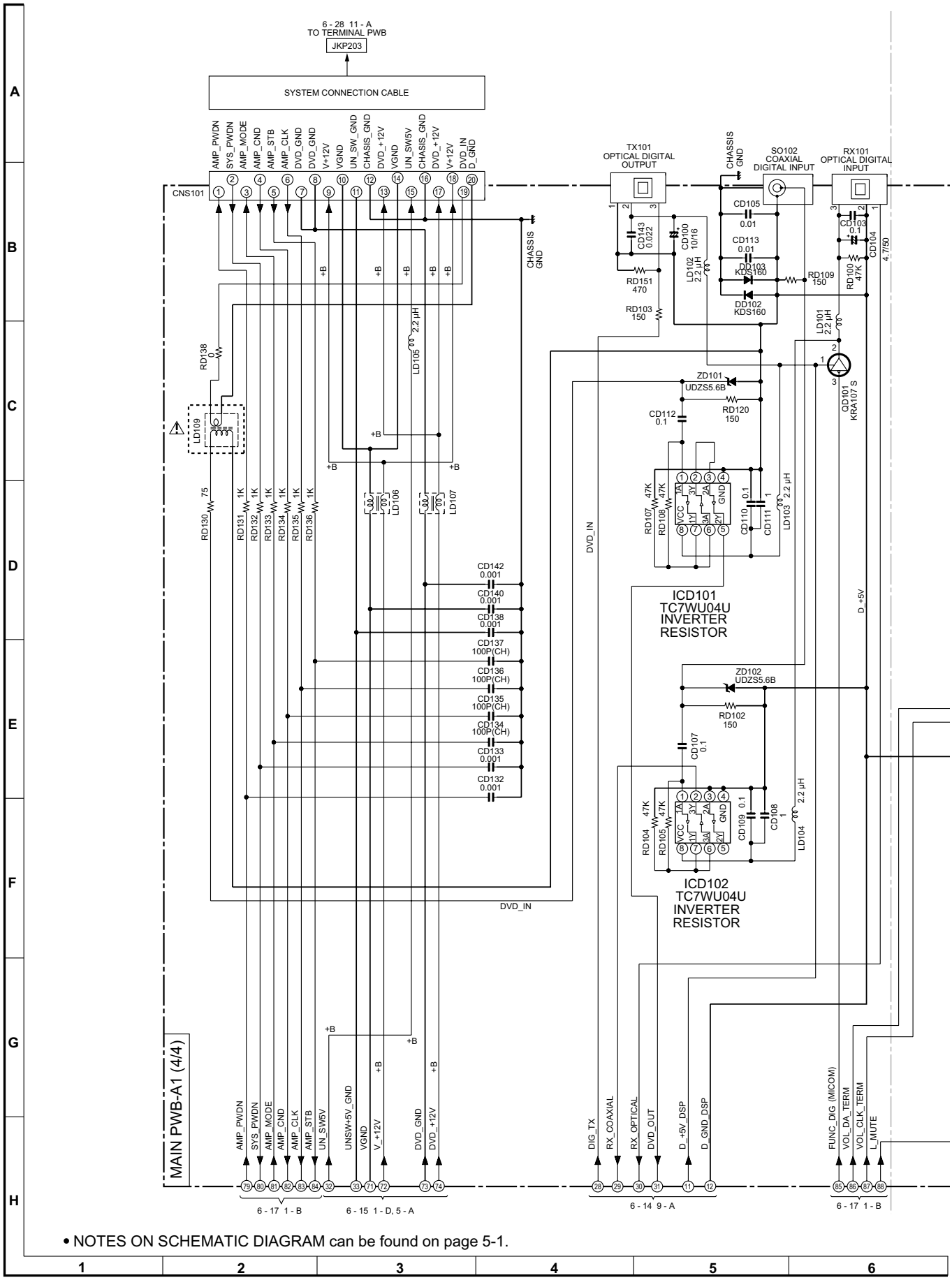
• NOTES ON SCHEMATIC DIAGRAM can be found on page 5-1.

Figure 6-17 SCHEMATIC DIAGRAM (5/18)



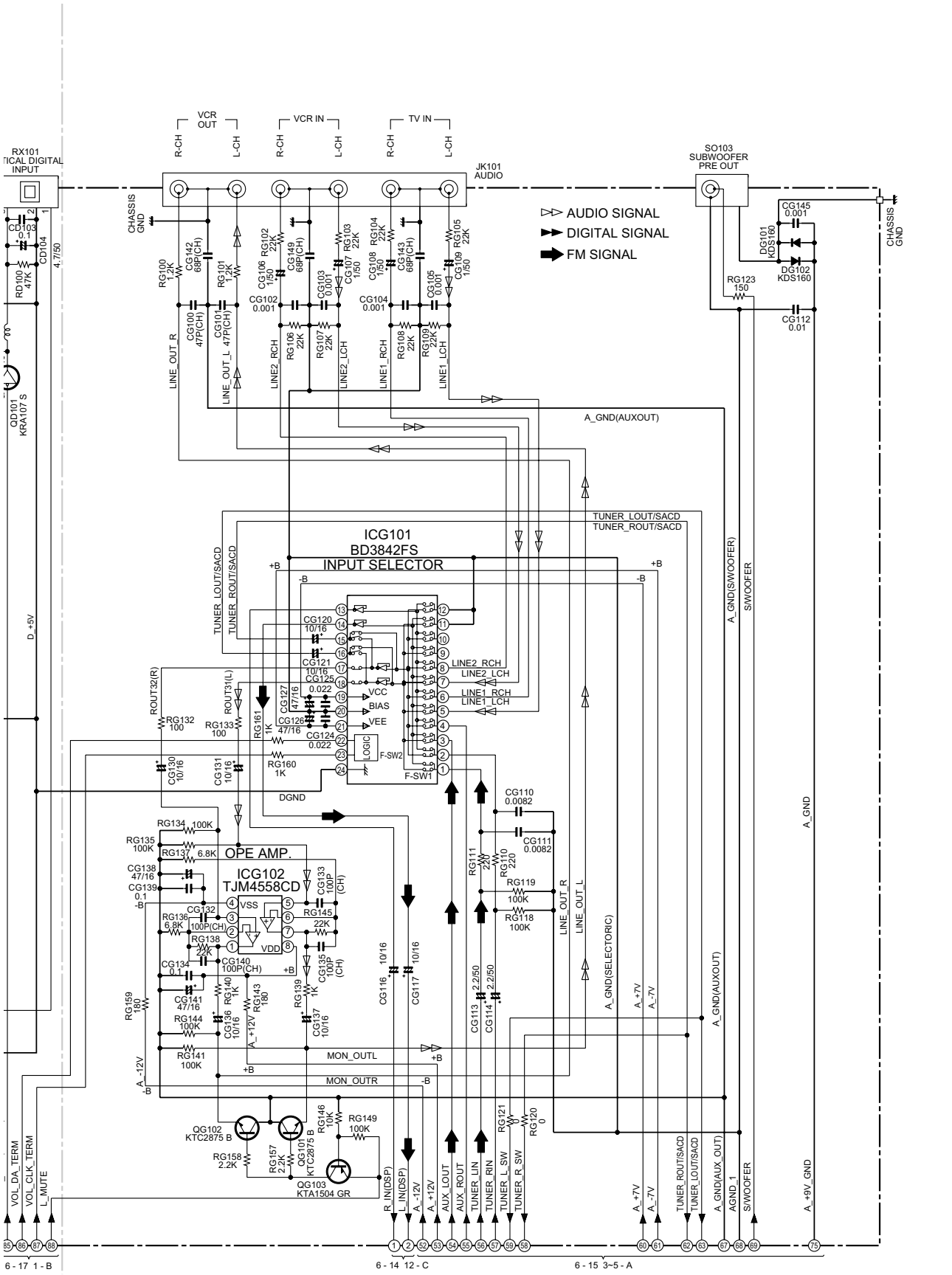
7	8	9	10	11	12

Figure 6-18 SCHEMATIC DIAGRAM (6/18)



• NOTES ON SCHEMATIC DIAGRAM can be found on page 5-1.

Figure 6-19 SCHEMATIC DIAGRAM (7/18)



7	8	9	10	11	12

Figure 6-20 SCHEMATIC DIAGRAM (8/18)

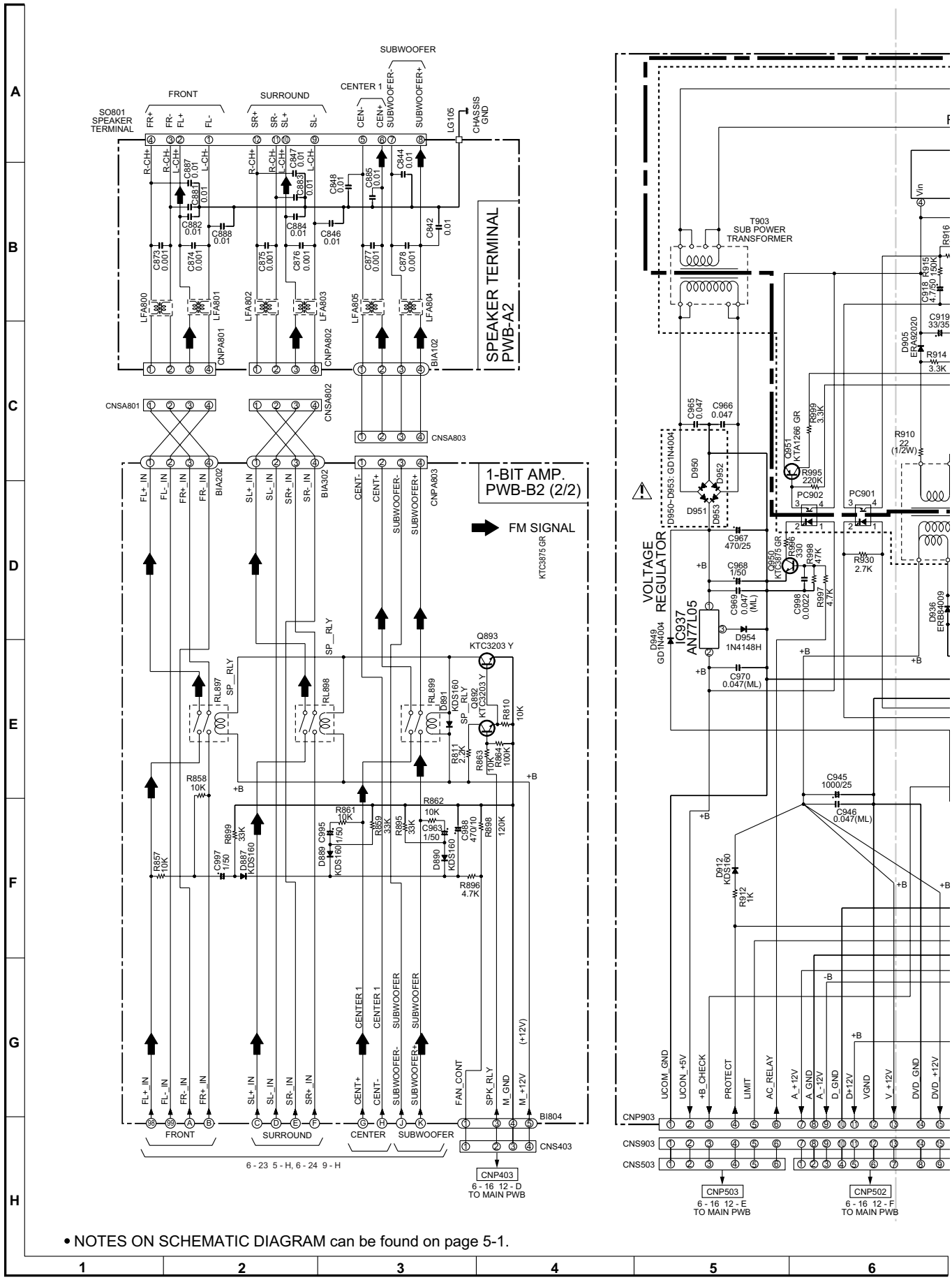
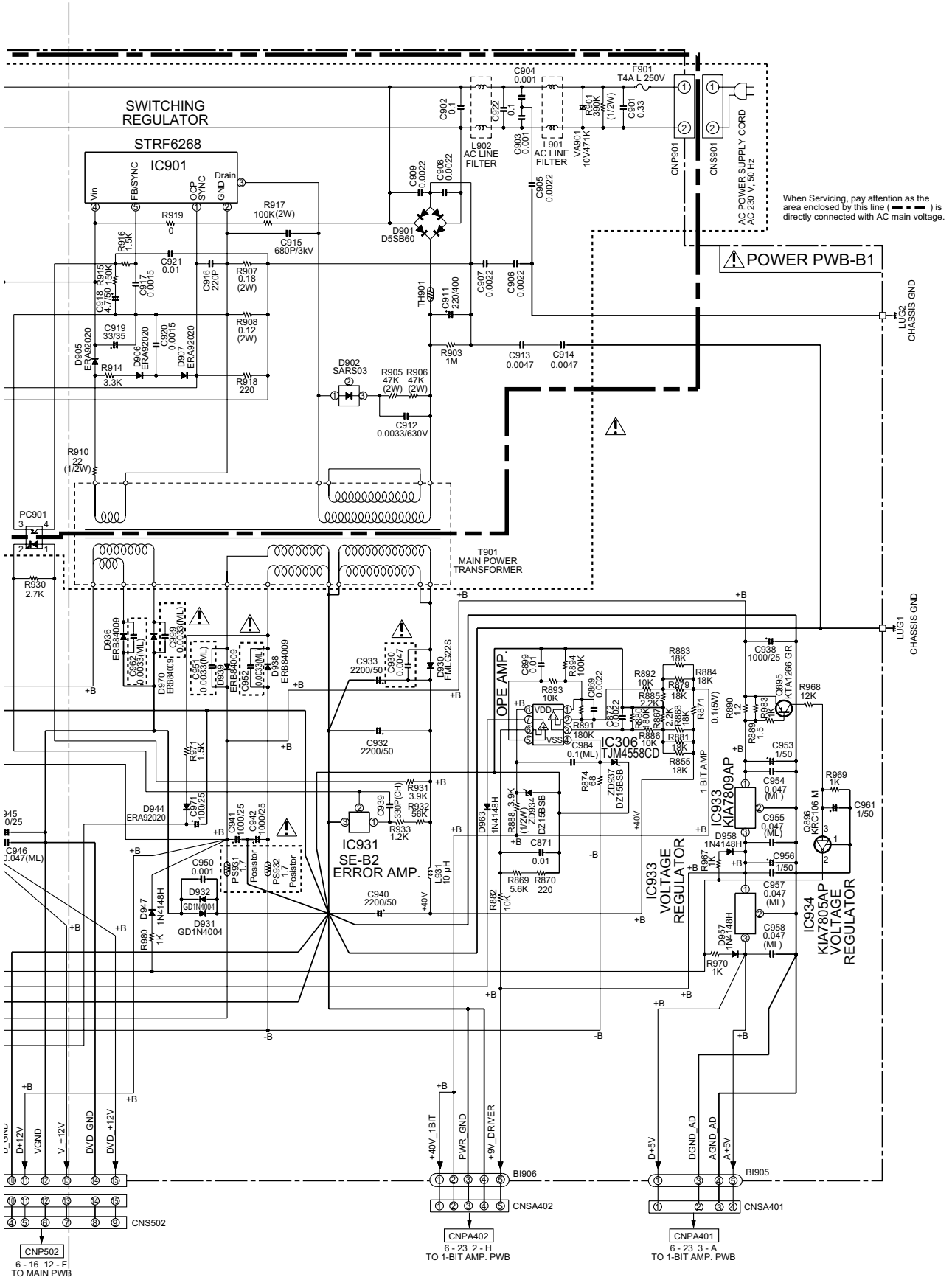
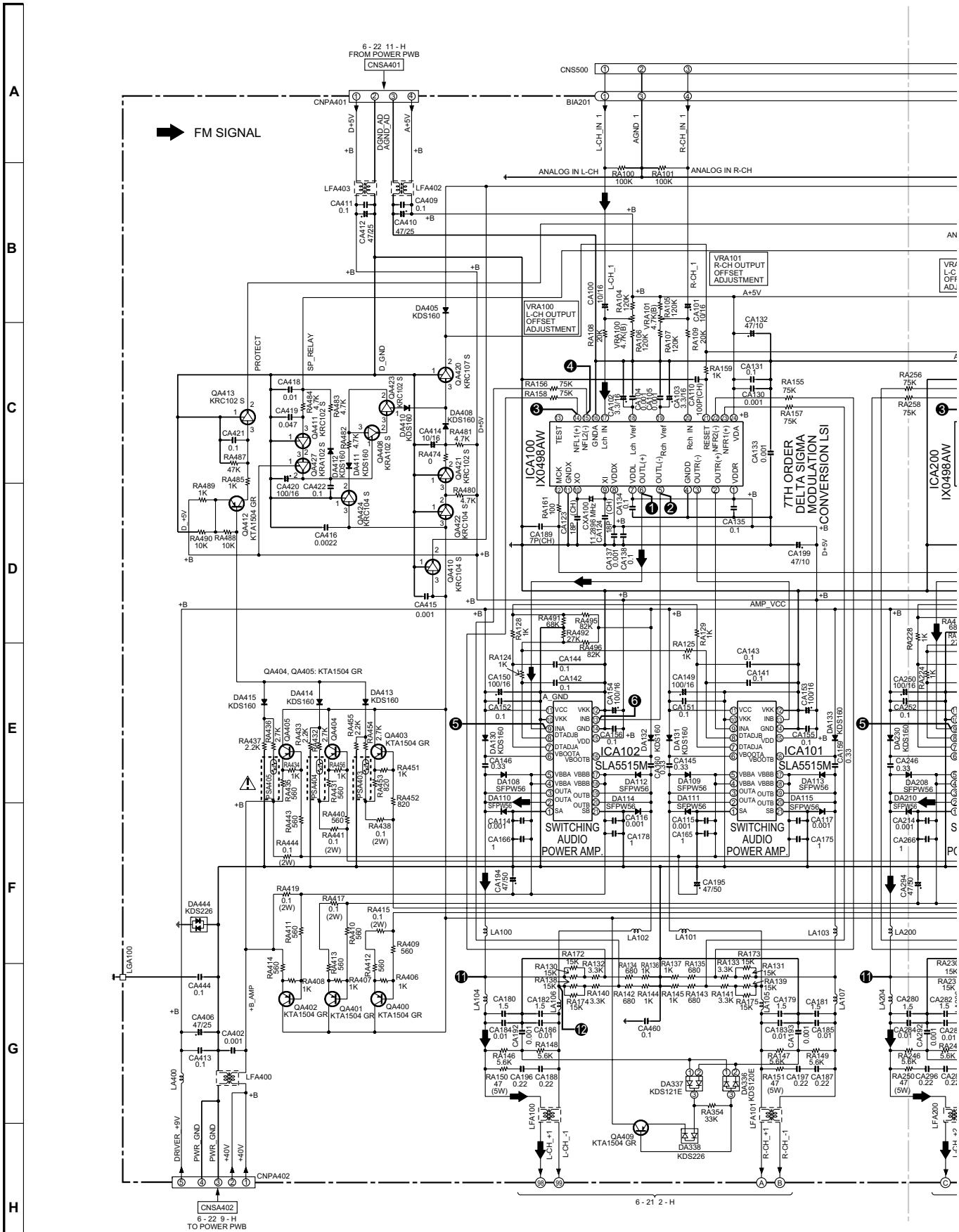

SPEAKER TERMINAL PWB-A2
1-BIT AMP. PWB-B2 (2/2)
FM SIGNAL
VOLTAGE REGULATOR
IC937 AN77L05
T903 SUB POWER TRANSFORMER
SO801 SPEAKER TERMINAL
FRONT
SURROUND
CENTER 1
SUBWOOFER
CHASSIS GND
6 - 23 5 - H, 6 - 24 9 - H
CNP403
6 - 16 12 - D TO MAIN PWB
CNP503
6 - 16 12 - E TO MAIN PWB
CNP502
6 - 16 12 - F TO MAIN PWB
• NOTES ON SCHEMATIC DIAGRAM can be found on page 5-1.

Figure 6-21 SCHEMATIC DIAGRAM (9/18)



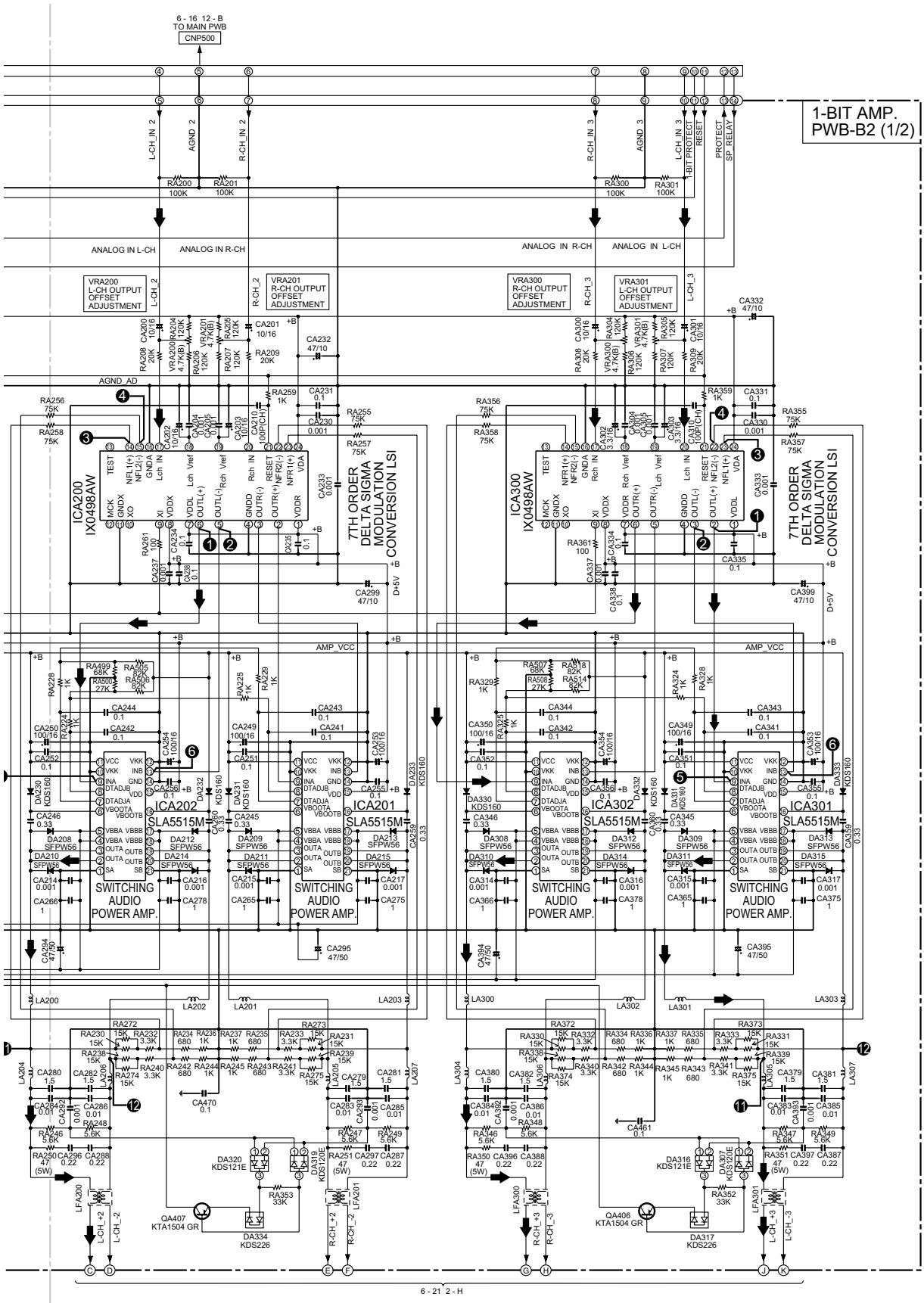
7	8	9	10	11	12

Figure 6-22 SCHEMATIC DIAGRAM (10/18)



• NOTES ON SCHEMATIC DIAGRAM can be found on page 5-1.

Figure 6-23 SCHEMATIC DIAGRAM (11/18)



• The numbers ❶ to ❻, ⓫, ⓬ are waveform numbers shown in page 5-2.

7	8	9	10	11	12

Figure 6-24 SCHEMATIC DIAGRAM (12/18)

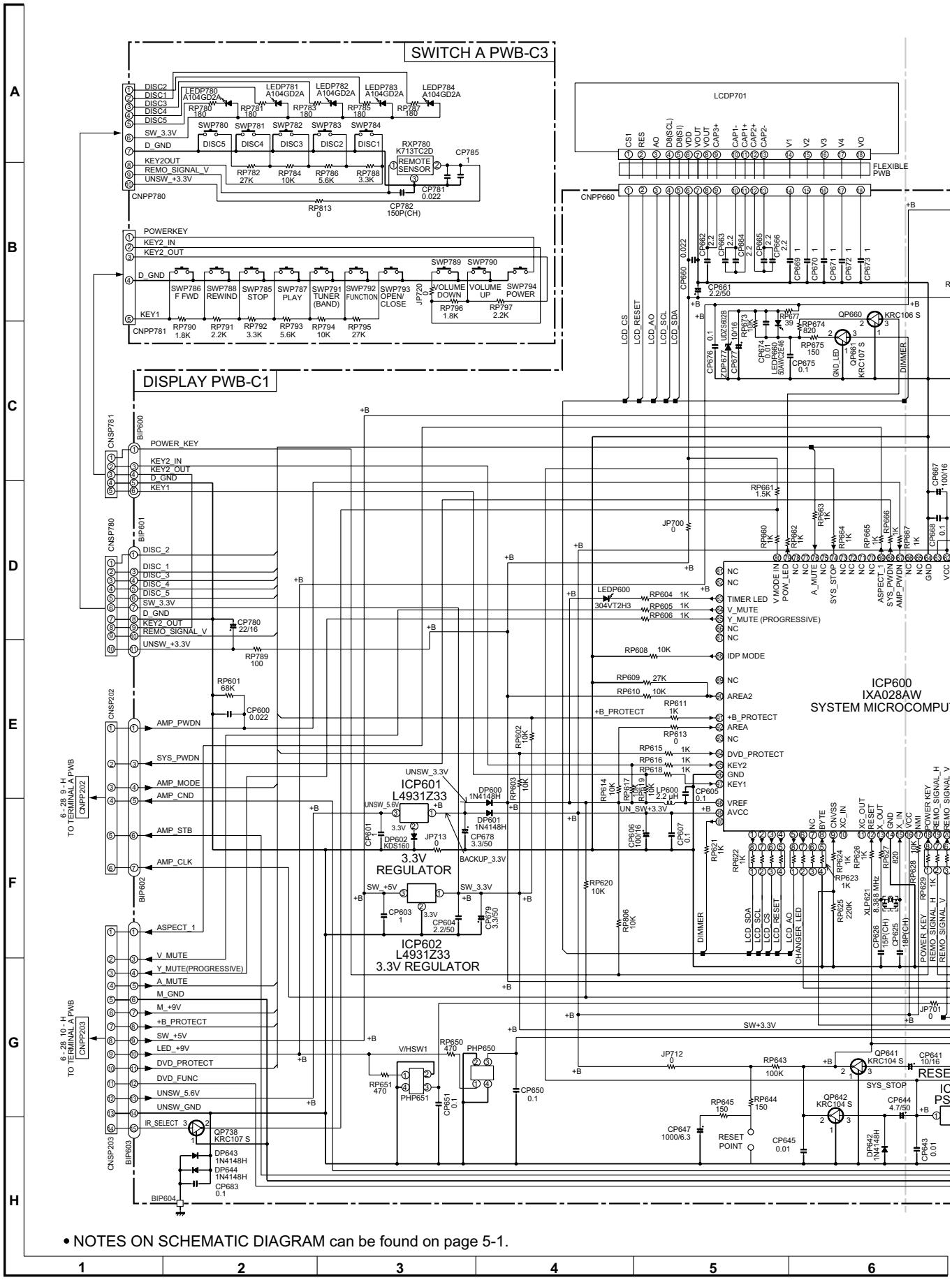


Figure 6-25 SCHEMATIC DIAGRAM (13/18)

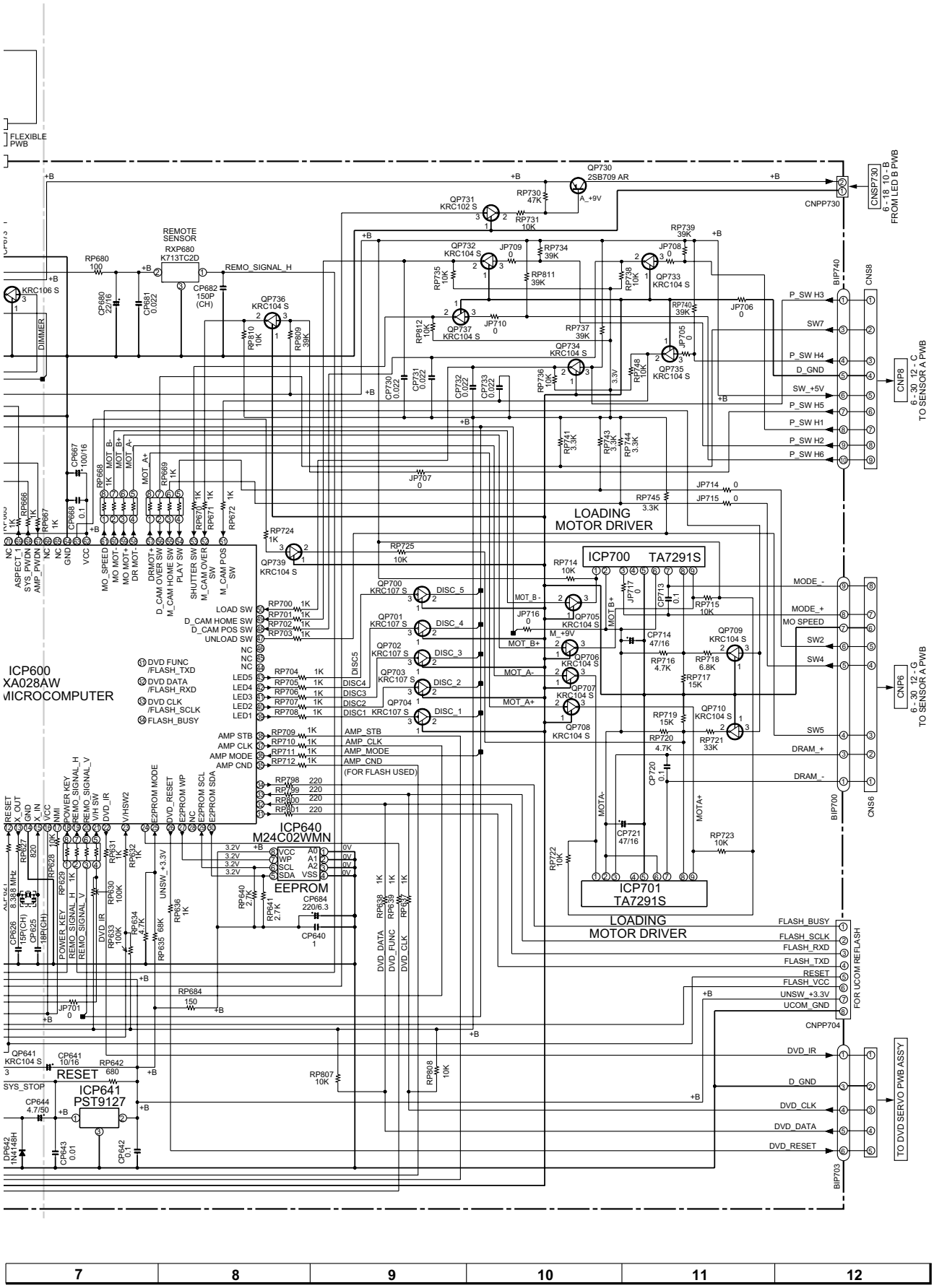
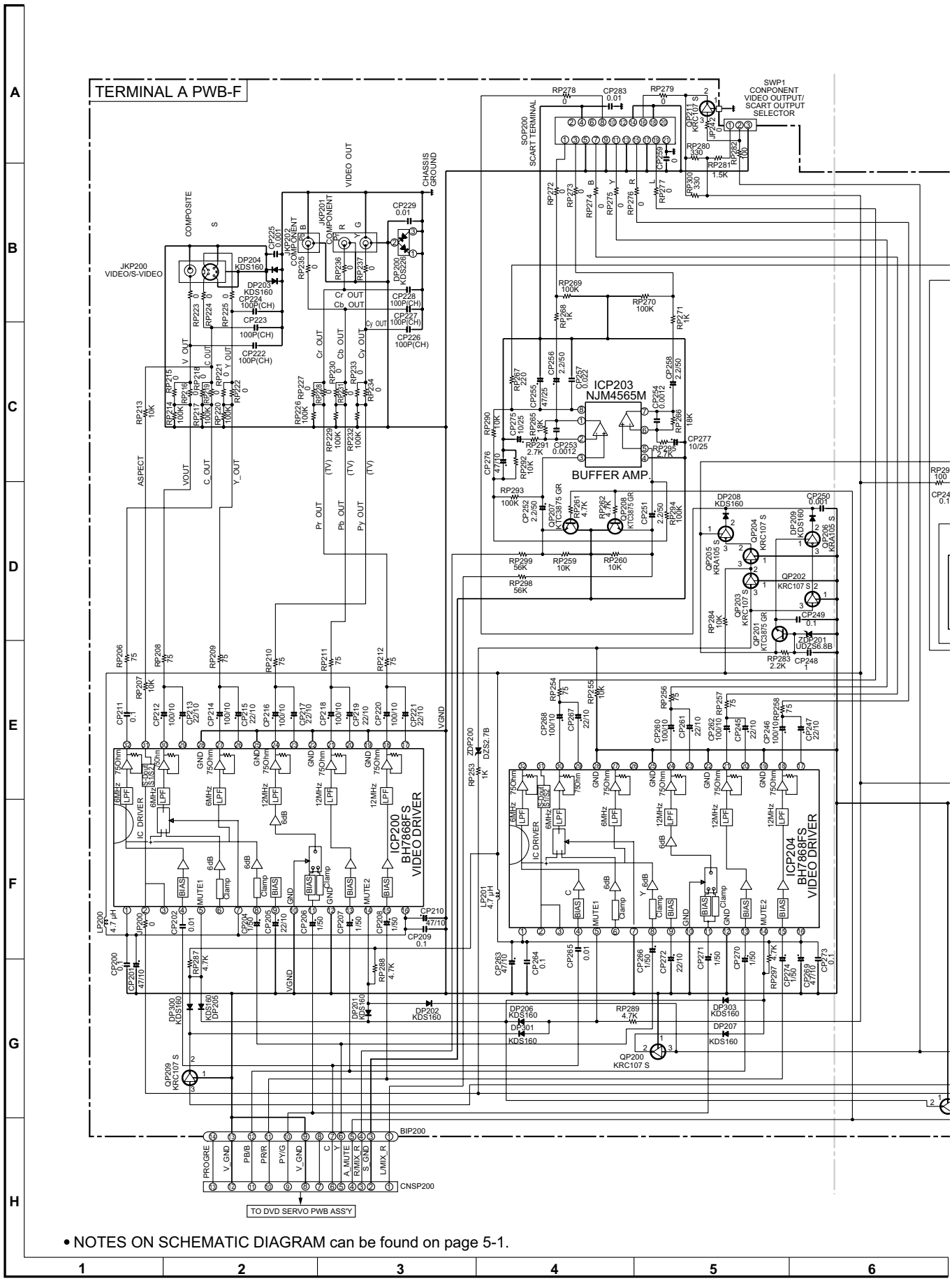
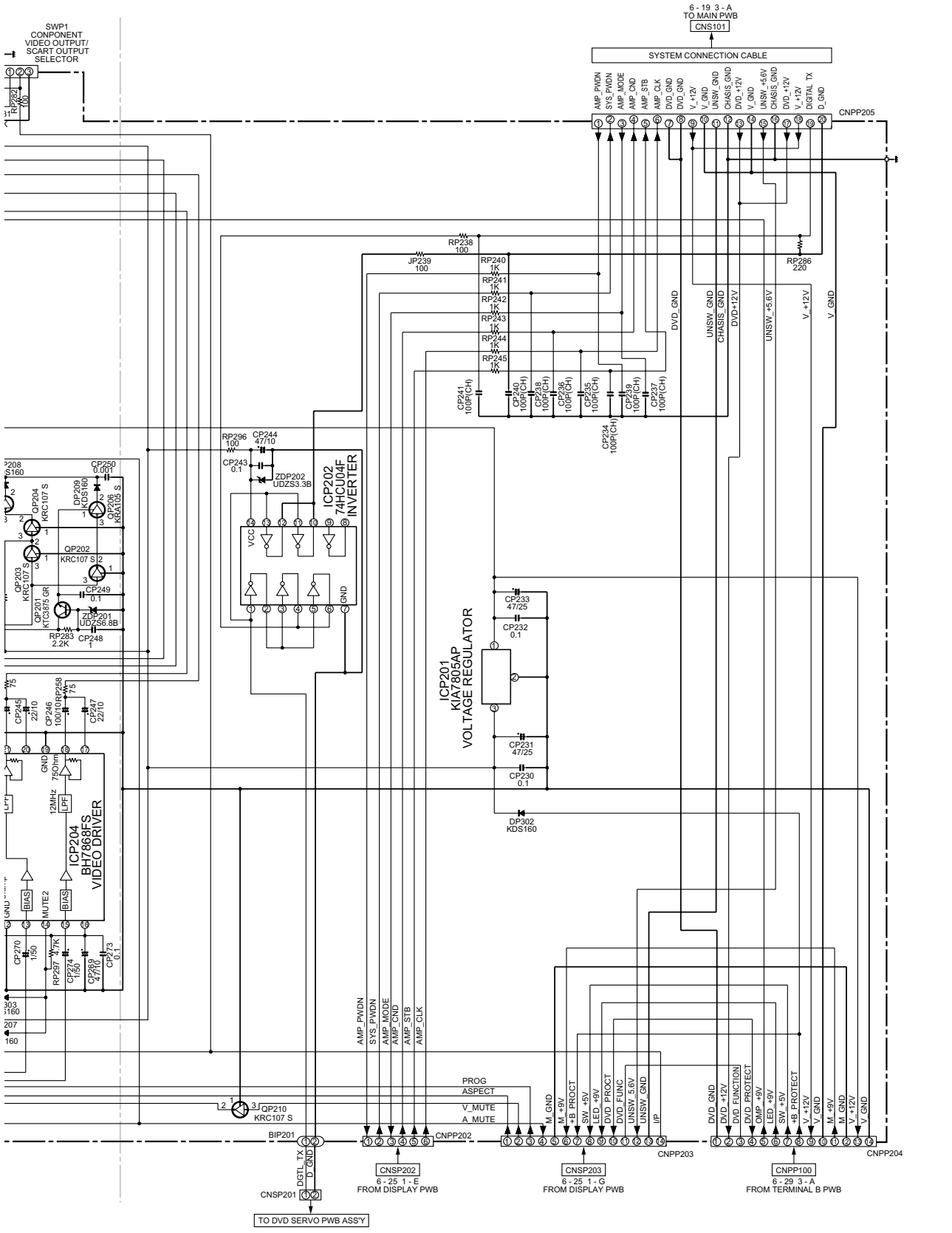


Figure 6-26 SCHEMATIC DIAGRAM (14/18)



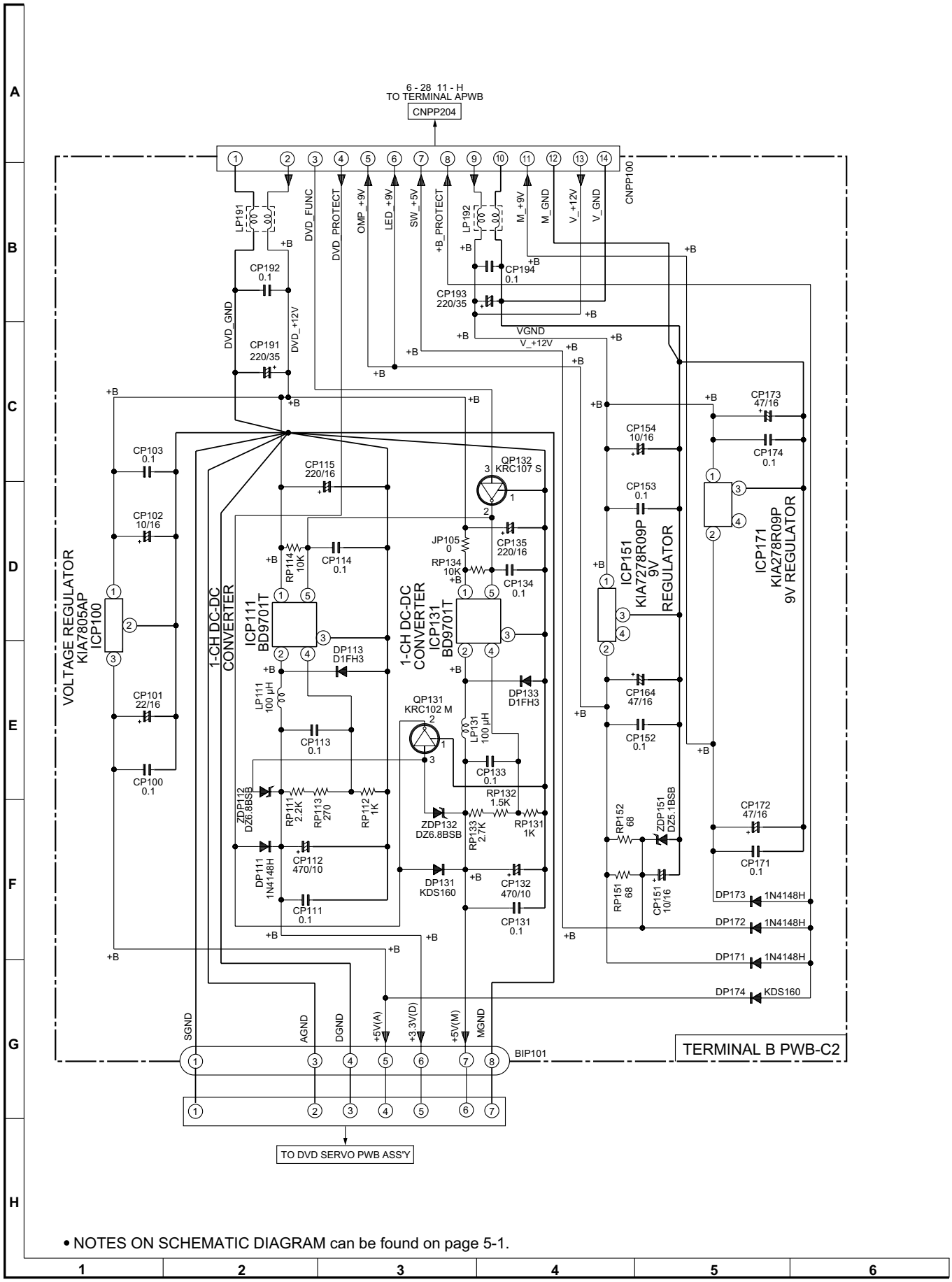
• NOTES ON SCHEMATIC DIAGRAM can be found on page 5-1.

Figure 6-27 SCHEMATIC DIAGRAM (15/18)



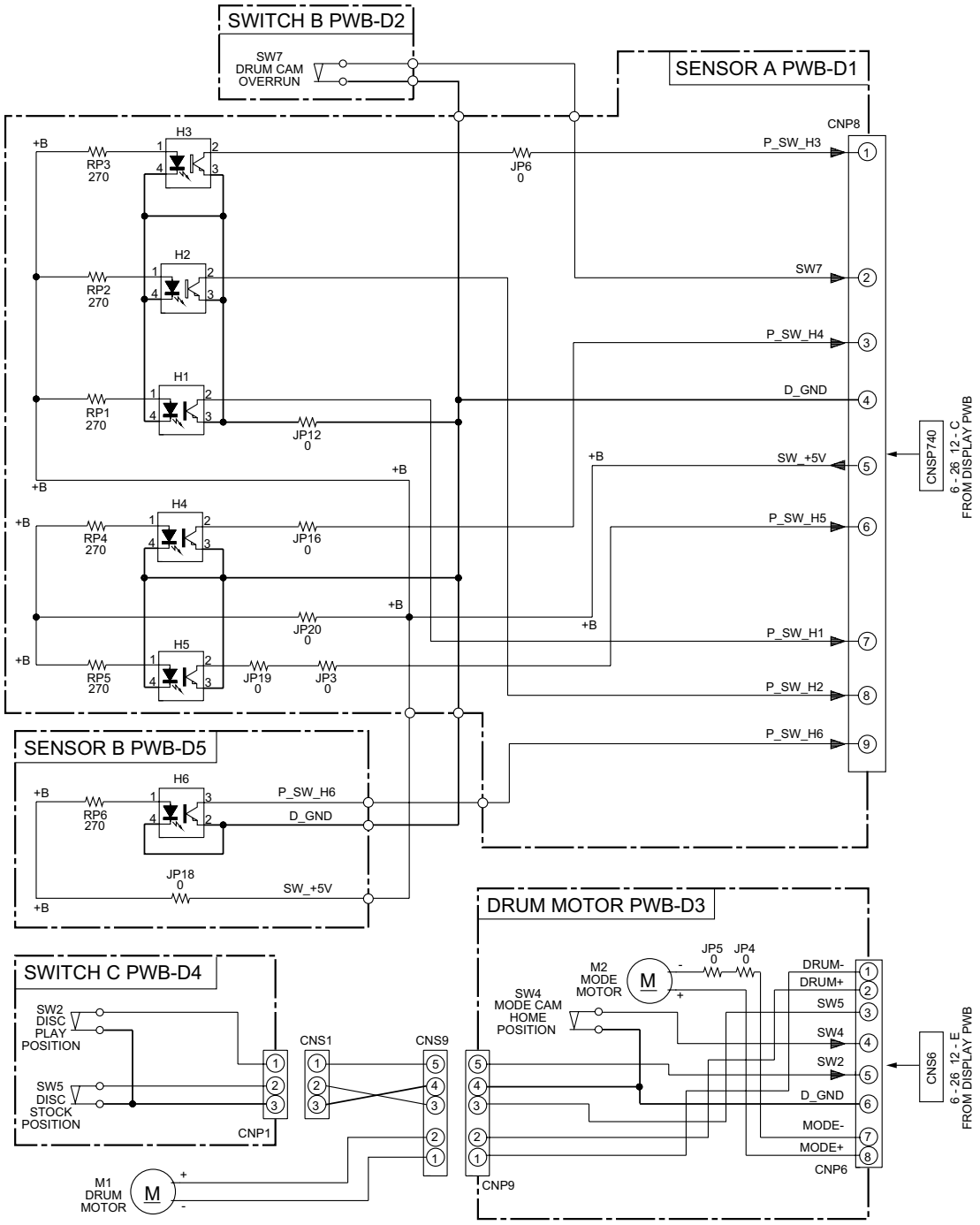
7	8	9	10	11	12

Figure 6-28 SCHEMATIC DIAGRAM (16/18)



• NOTES ON SCHEMATIC DIAGRAM can be found on page 5-1.

Figure 6-29 SCHEMATIC DIAGRAM (17/18)



7	8	9	10	11	12

Figure 6-30 SCHEMATIC DIAGRAM (18/18)

CHAPTER 7. FLOWCHART

[1] Troubleshooting

1. When the CD does not function

The CD section may not operate when the objective lens of the optical pickup is dirty. Clean the objective lens, and check the playback operation. When this section does not operate even after the above step is taken, check the following items.

Remove the cabinet and follow the trouble shooting instructions.

“Track skipping and/or no TOC (Table Of Contents) may be caused by build up of dust other foreign matter on the laser pickup lens. Before attempting any adjustment make certain that the lens is clean. If not, clean it as mentioned below.”

Turn the power off.

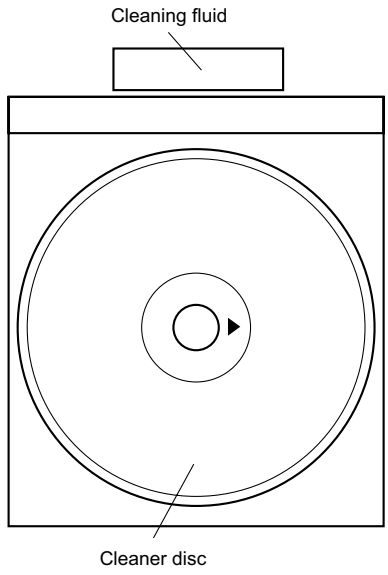
Gently clean the lens with a lens cleaning tissue and a small amount of isopropyl alcohol.

Do not touch the lens with the bare hand.

		Parts code
1.	CD optical pickup Lens cleaner disc	UDSKA0004AFZZ

HOW TO USE

1. Using the brush in the cleaner cap, apply 1 or 2 drops of the cleaning fluid to the brush on the CD cleaner disc which has the mark next to it.
2. Place the CD cleaner disc onto the CD disc tray with the brush side down, then press the play button.
3. You will hear music for about 20 seconds and the CD player will automatically stop. If it continuous to turn, press the stop button.

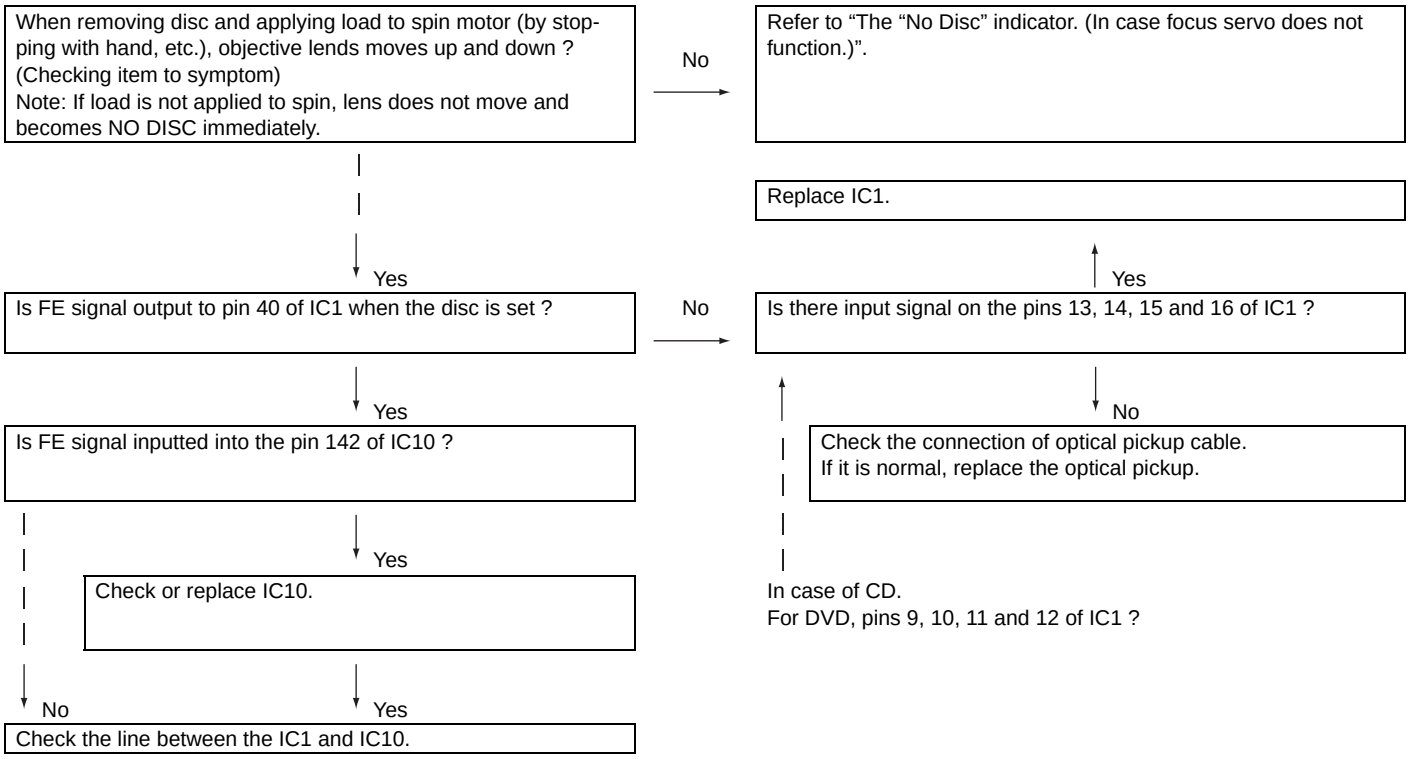


CAUTION

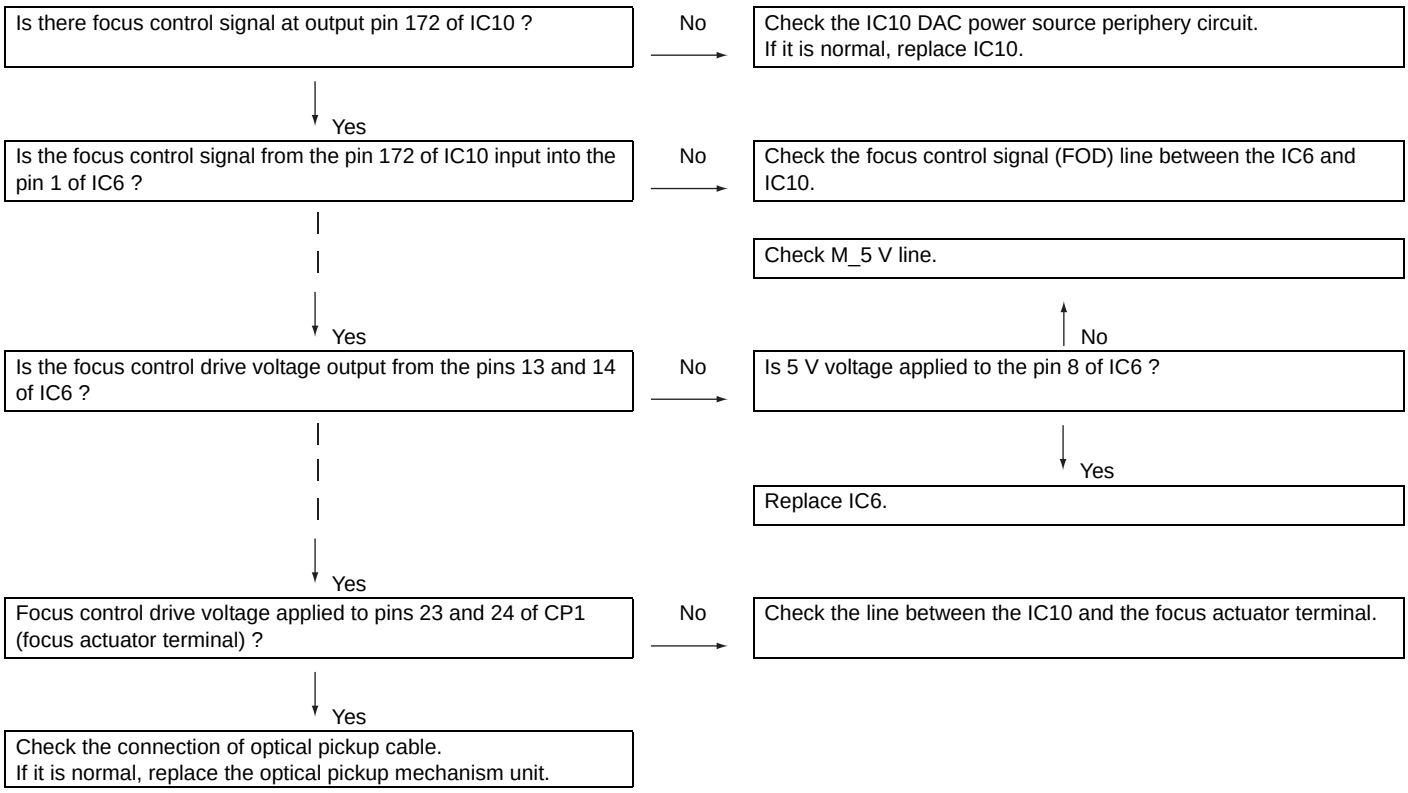
- The CD lens cleaner should be effective for 30-50 operations, however if the brushes become worn out earlier then please the cleaner disc.
- If the CD cleaner brushes become very wet then wipe off any excess fluid with a soft cloth.
- Do not drink the cleaner fluid or allow it to come in contact with the eyes. In the event of this happening then drink and / or rinse with clean water and seek medical advice.
- The CD cleaner disc must not be used on car CD players or on computer CD-ROM drives.
- All rights reserved. Unauthorized duplicating, broadcasting and renting this product is prohibited by law.

2. DVD section

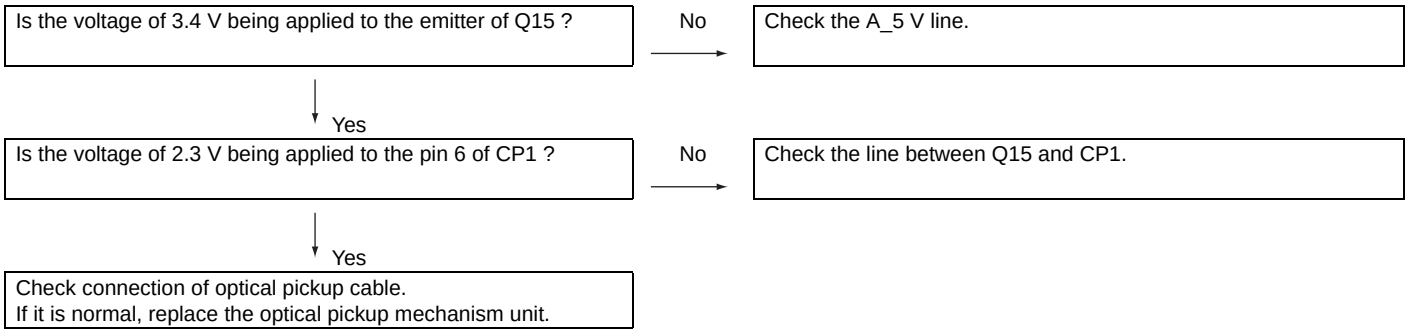
• The “No Disc” indication. (In case of focus error)


When removing disc and applying load to spin motor (by stopping with hand, etc.), objective lends moves up and down ? (Checking item to symptom)
Note: If load is not applied to spin, lens does not move and becomes NO DISC immediately.
No
Refer to “The “No Disc” indicator. (In case focus servo does not function.)”.
Replace IC1.
Yes
Yes
Is FE signal output to pin 40 of IC1 when the disc is set ?
No
Is there input signal on the pins 13, 14, 15 and 16 of IC1 ?
Yes
No
Is FE signal inputted into the pin 142 of IC10 ?
Check the connection of optical pickup cable.
If it is normal, replace the optical pickup.
Yes
Check or replace IC10.
In case of CD.
For DVD, pins 9, 10, 11 and 12 of IC1 ?
No
Yes
Check the line between the IC1 and IC10.

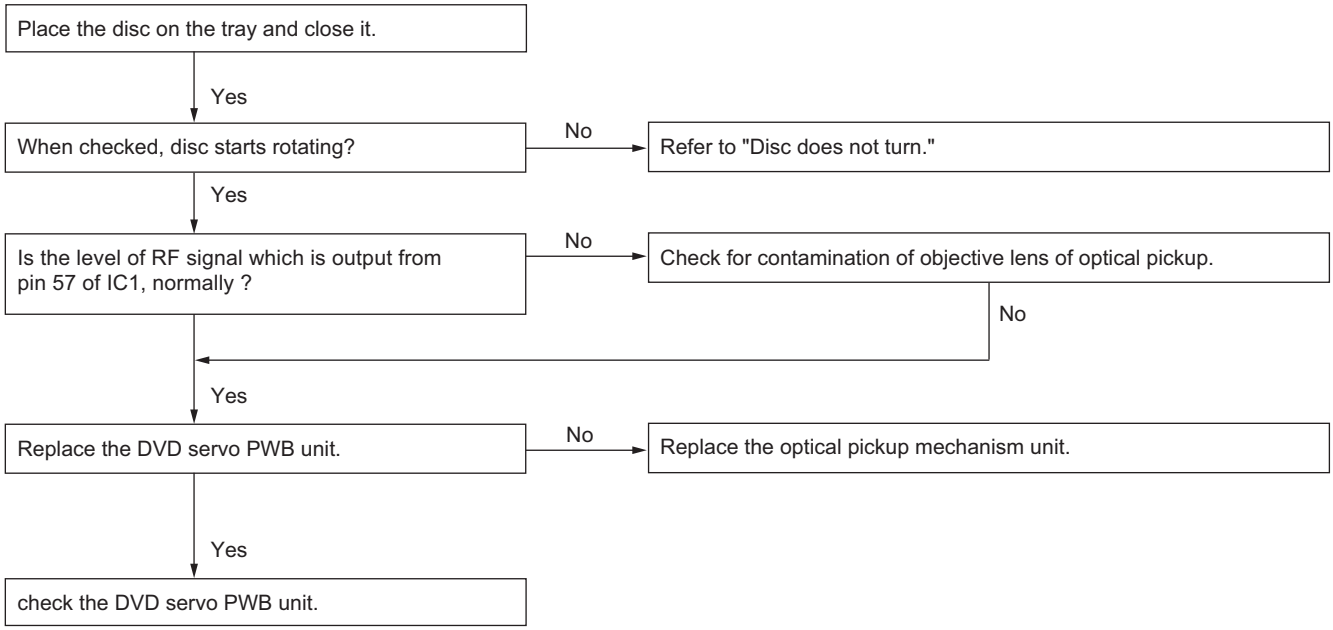
• The “No Disc” indicator. (In case focus servo does not function.)


Is there focus control signal at output pin 172 of IC10 ?
No
Check the IC10 DAC power source periphery circuit.
If it is normal, replace IC10.
Yes
Is the focus control signal from the pin 172 of IC10 input into the pin 1 of IC6 ?
No
Check the focus control signal (FOD) line between the IC6 and IC10.
Check M_5 V line.
Yes
No
Is the focus control drive voltage output from the pins 13 and 14 of IC6 ?
No
Is 5 V voltage applied to the pin 8 of IC6 ?
Yes
Replace IC6.
Yes
Focus control drive voltage applied to pins 23 and 24 of CP1 (focus actuator terminal) ?
No
Check the line between the IC10 and the focus actuator terminal.
Yes
Check the connection of optical pickup cable.
If it is normal, replace the optical pickup mechanism unit.

• The CD disc is not recognized. (When the laser beam does not go on)


Is the voltage of 3.4 V being applied to the emitter of Q15 ?
No
Check the A_5 V line.
Yes
Is the voltage of 2.3 V being applied to the pin 6 of CP1 ?
No
Check the line between Q15 and CP1.
Yes
Check connection of optical pickup cable.
If it is normal, replace the optical pickup mechanism unit.

• Both picture and sound do not operate normally. (1)


Place the disc on the tray and close it.
Yes
When checked, disc starts rotating?
No
Refer to "Disc does not turn."
Yes
Is the level of RF signal which is output from pin 57 of IC1, normally ?
No
Check for contamination of objective lens of optical pickup.
No
Yes
Replace the DVD servo PWB unit.
No
Replace the optical pickup mechanism unit.
Yes
check the DVD servo PWB unit.

• Picture do not operate normally.

Set the disc on the disc tray.

↓ Yes

Are the video signal shown above input into the pins of CP5 ?

CP5 pin 9 PY
CP5 pin 10 PR
CP5 pin 11 PB
CP5 pin 6 C
CP5 pin 7 Y

No →

Check the line between the pins of DVD servo unit IC10 and the pins CP5.

IC10 pin 113 → CP5 9pin PY/G
IC10 pin 114 → CP5 10pin PR/R
IC10 pin 115 → CP5 11pin PB/B

↓ Yes

Check or replace DSP PWB.

• Sound is not given properly from speaker.

Set disc to DISC tray and play.

↓ Yes

Digital sound signal output at pin 124 of IC10.

No →

Check or replace IC10.

↓ Yes

Check or replace Amp unit.

CHAPTER 8. OTHER

[1] Function table of IC

IC101 VHiCS493264-1: DSP (CS493264) (1/2)

Pin No.	Terminal Name	Input/Output	Function
1	VD1	Input	Digital positive supplies. Norminally + 2.5 V.
2	DGND1	—	Digital ground.
3	AUDATA3, XMT958	Output	CMOS level output that contains a biphase-mark encoded (S/PDIF) or I^{2}S or Left Justified digital audio data which is capable of carrying two channels of PCM digital audio or an IEC61937 compressed-data interface. Note: Outputting of IEC61937 is only available for certain broadcast-based application codes which run on the CS4931X family or CS49330 device. This output typically connects to the input of an RS-422 transmitter or to the input of an optical transmitter.
4	WR, DS, EMWR, GPIO10	Input	In Intel parallel host mode, this pin serves as the active-low data-write-input strobe. In Motorola parallel host mode, this pin serves as the active-low data-strobe-input signal. In serial host mode, this pin can serve as the external-memory active-low write-enable output signal. Also in serial host mode, this pin can serve as a general purpose input or output bit.
5	RD, R/W, EMOE, GPIO11	Input	In Intel parallel host mode, this pin serves as the active-low data bus enable input. In Motorola parallel host mode, this pin serves as the read-high/write-low control input signal.In serial host mode, this pin can serve as the external memory active-low data-enable output signal. Also in serial host mode, this pin can serve as a general purpose input or output bit.
6	A1, SCDIN	Input	In parallel host mode, this pin serves as one of two address input pins used to select one of four parallel registers. In SPI serial host mode, this pin serves as the data input.
7	A0, SCCLK	Input	In parallel host mode, this pin serves as one of two address input pins used to select one four parallel registers. In serial host mode, this pin serves as the serial control clock signal, specifically as the SPI clock input or the I^{2}C clock input.
8-11	DATA7, EMAD7, GPIO7-DATA4, EMAD4, GPIO4	Input	In parallel host mode, these pins provide a bidirectional data bus. If a serial host mode is selected, these pins can provide a multiplexed address and data bus for connecting an 8-bit external memory. Otherwise, in serial host mode, these pins can act as general-purpose input or output pins that can be individually configured and controlled by the DSP.
12	VD2	Input	Digital positive supplies. Norminally + 2.5 V.
13	DGND2	—	Digital ground.
14-17	DATA3, EMAD3, GPIO3-DATA0, EMAD0, GPIO0	Input	In parallel host mode, these pins provide a bidirectional data bus. If a serial host mode is selected, these pins can provide a multiplexed address and data bus for connecting an 8-bit external memory. Otherwise, in serial host mode, these pins can act as general-purpose input or output pins that can be individually configured and controlled by the DSP.
18	CS	Input	In parallel host mode, this pin serves as the active-low chip-select input signal. In serial host SPI mode, this pin is used as the active-low chip-select input signal.
19	SCDIO, SCDOUT, PSEL, GPIO9	Input	In I^{2}C mode, this pin serves as the open-drain bidirectional data pin. In SPI mode this pin serves as the data output pin. In parallel host mode, this pin is sampled at the rising edge of RESET to configure the parallel host mode as an Intel type bus or as a Motorola type bus. In parallel host mode, after the bus mode has been selected, the pin can function as a general-purpose input or output pin. In I^{2}C mode this pin is an OPEN DRAIN I/O and requires a 4.7 kohms Pull-Up.
20	INTREQ, ABOOT	—	Open-drain interrupt-request output. This pin is driven low to indicate that the DSP has outgoing control data and should be serviced by the host. Also in serial host mode, this signal initiates an automatic boot cycle from external memory if it is held low through the rising edge of reset. OPEN DRAIN I/O - Requires 4.7 kohms Pull-Up.
21	EXTMEM, GPIO8	Input	In serial control port mode, this pin can serve as an output to provide the chip-select for an external byte-wide ROM. In parallel and serial host mode, this pin can also function as a general-purpose input or output pin.
22	SDATAN1	Input	Digital-audio data input that can accept from one to six channels of compressed or PCM data. SDATAN1 can be sampled with either edge of SCLKN1, depending on how SCLKN1 has been configured.
23	VD3	Input	Digital positive supplies. Norminally + 2.5 V.
24	DGND3	—	Digital ground.

IC101 VHiCS493264-1: DSP (CS493264) (2/2)

Pin No.	Terminal Name	Input/Output	Function
25	SCLKN1, STCCLK2	Input	Bidirectional digital-audio bit clock that is an output in master mode and an input in slave mode. In slave mode, SCLKN1 operates asynchronously from all other CS493XX clocks. In master mode, SCLKN1 is derived from the CS493XX internal clock generator. In either master or slave mode, the active edge of SCLKN1 can be programmed by the DSP. For applications supporting PES layer synchronization this pin can be used as STCCLK2, which provides a path to the internal STC 33 bit counter.
26	LRCLKN1	Input	Bidirectional digital-audio frame clock that is an output in master mode and an input in slave mode. LRCLKN1 typically is run at the sampling frequency. In slave mode, LRCLKN1 operates asynchronously from all other CS493XX clocks. In master mode, LRCLKN1 is derived from the CS493XX internal clock generator. In either master or slave mode, the polarity of LRCLKN1 for a particular subframe can be programmed by the DSP.
27	CMPDAT, SDATAN2	Input	Digital-audio data input that can accept from one to six channels of compressed or PCM data. SDATAN2 can be sampled with either edge of SCLKN2, depending on how SCLKN2 has been configured. Similarly CMPDAT is the compressed data input pin when the CDI is configured for bursty delivery. When in this mode, the CS493XX internal PLL is driven by the clock recovered from the incoming data stream.
28	CMPCLK, SCLKN2	Input	Bidirectional digital-audio bit clock that is an output in master mode and an input in slave mode. In slave mode, SCLKN2 operates asynchronously from all other CS493XX clocks. In master mode, SCLKN2 is derived from the CS493XX internal clock generator. In either master or slave mode, the active edge of SCLKN2 can be programmed by the DSP. If the CDI is configured for bursty delivery, CMPCLK is an input used to sample CMPDAT.
29	CMPREQ, LRCLKN2	Input	When the CDI is configured as a digital audio input, this pin serves as a bidirectional digital-audio frame clock that is an output in master mode and an input in slave mode. LRCLKN2 typically is run at the sampling frequency. In slave mode, LRCLKN2 operates asynchronously from all other CS493XX clocks. In master mode, LRCLKN2 is derived from the CS493XX internal clock generator. In either master or slave mode, the polarity of LRCLKN2 for a particular subframe can be programmed by the DSP. When the CDI is configured for bursty delivery, or parallel audio data delivery is being used, CMPREQ is an output which serves as an internal FIFO monitor. CMPREQ is an active low signal that indicates when another block of data can be accepted.
30	CLKIN	Input	CS493XX clock input. When in internal clock mode (CLKSEL == DGND), this input is connected to the internal PLL from which all internal clocks are derived. When in external clock mode (CLKSEL == VD), this input is connected to the DSP clock.
31	CLKSEL	Input	This pin selects the clock mode of the CS493XX. When CLKSEL is low, CLKIN is connected to the internal PLL from which all internal clocks are derived. When CLKSEL is high CLKIN is connected to DSP clock.
32, 33	FILT2, FILT1	—	Connects to an external filter for the on-chip phase-locked loop.
34	VA	Input	Analog positive supply for clock generator. Nominally +2.5 V.
35	AGND	—	Analog ground for clock generator PLL.
36	RESET	Input	Asynchronous active-low master reset input. Reset should be low at power-up to initialize the CS493XX and to guarantee that the device is not active during initial power-on stabilization periods. As the rising edge of reset the host interface mode is selected contingent on the state of the RD, WR and PSEL pins. Additionally, an autoboot sequence can be initiated if a serial control mode is selected and ABOOT is held low. If reset is low all bidirectional pins are high impedance inputs.
37, 38	DD, DC	—	This pin is reserved and should be pulled up with an external 4.7 k resistor.
39, 40	AUDATA2, AUDATA1	Output	PCM multi-format digital-audio data output, capable of two-channel 20-bit output. This PCM output defaults to DGND as output until enabled by the DSP software.
41	AUDATA0	Output	PCM multi-format digital-audio data output, capable of two-, four-, or six-channel 20-bit output. This PCM output defaults to DGND as output until enabled by the DSP software.
42	LRCLK	Input	Bidirectional digital-audio output-sample-rate clock. LRCLK can be an output that is divided from MCLK to provide the output sample rate depending on the output configuration. LRCK can also be an input. As an input LRCLK is independent of MCLK.
43	SCLK	Input	Bidirectional digital-audio output bit clock. SCLK can be an output that is derived from MCLK to provide 32 Fs, 64 Fs, 128 Fs, 256 Fs, or 512 Fs, depending on the MCLK rate and the digital-output configuration. SCLK can also be an input and must be at least 48 Fs or greater. As an input, SCLK is independent of MCLK.
44	MCLK	Input	Bidirectional master audio clock. MCLK can be an output from the CS493XX that provides an oversampled audio-output clock at either 128 Fs, 256 Fs, or 512 Fs. MCLK can be an input at 128 Fs, 256 Fs, 384 Fs, or 512 Fs. MCLK is used to derive SCLK and LRCLK when SCLK and LRCLK are driven by the CS493XX.

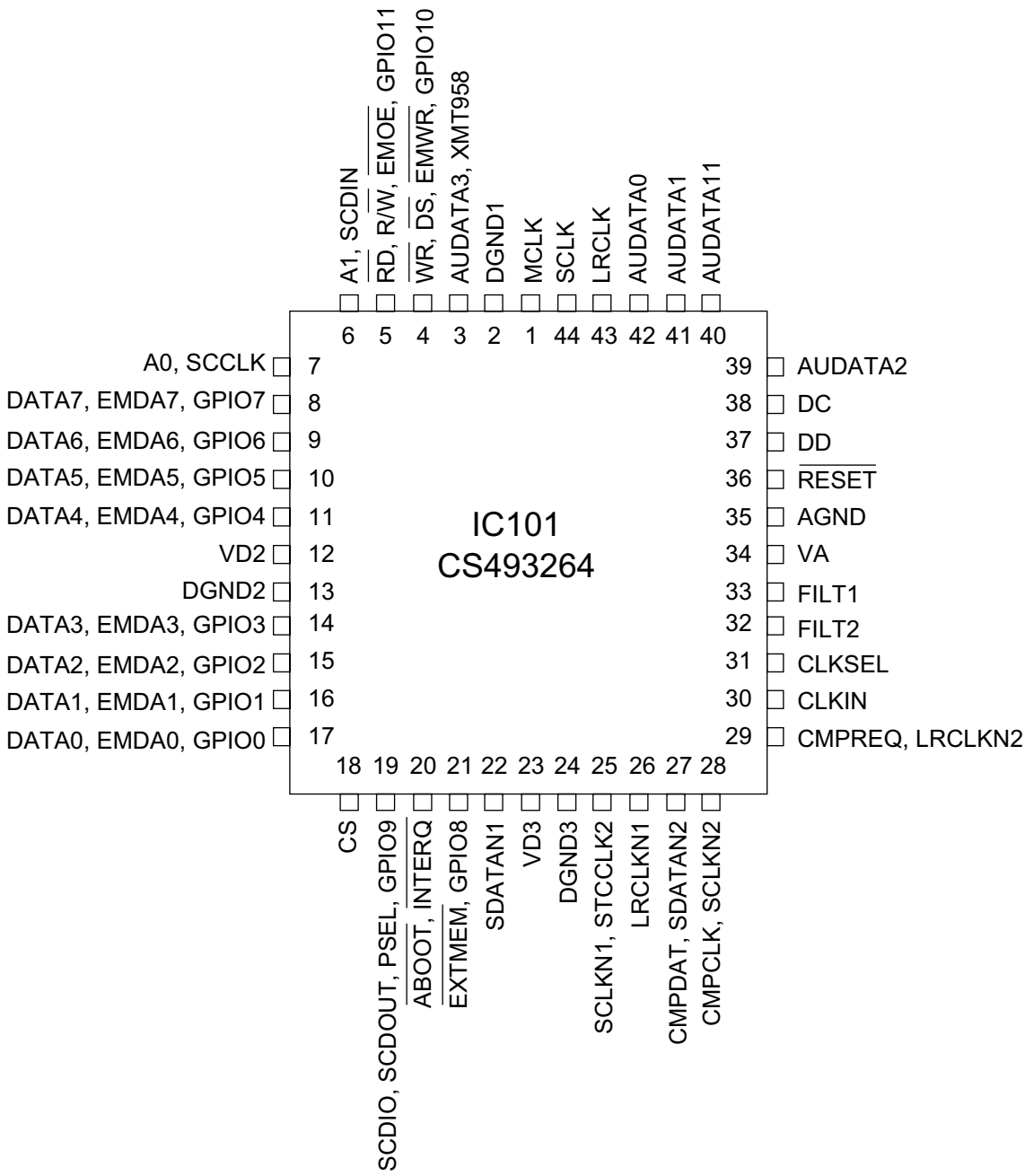


Figure 8-3 BLOCK DIAGRAM OF IC

IC105 VHiLC83210W-1: DVS (LC83210W)

Pin No.	Terminal Name	Input/Output	Function
1	VDD1	Input	I/O power supply.
2	SDO	Output	Audio data serial output. (L, R)
3	SDI0	Input	Audio data serial input. (L, R)
4	SDI1	Input	Audio data serial input. (Ls, Rs)
5	SDI2	Input	Audio data serial input. (C, LFE)
6	VSS1	—	I/O GND.
7	LRCLOCK	Input	Audio data input LR Clock.
8	SCLOCK	Input	Bit clock for audio data input.
9	TEST(BIST_MODE)	Input	For test.
10	TEST(SCAN_EN)	Input	For test.
11	TEST(SCAN_MODE)	Input	For test.
12	AVSS	—	PLL exclusive GND.
13	AVDD	Input	PLL exclusive power supply.
14	R	Input	VCO bias resistance.
15	VCNT	Input	VCO control input.
16	PDO	Output	VCO charge pump output.
17	PLL_CLOCK_SW	Input	For test.
18	PLL_STOP	Input	Not used. Connect +B.
19	VDD1	Input	I/O power supply.
20	VSS1	—	I/O GND.
21	PLL1	—	Not used.
22	PLL0	—	Not used.
23	MCLOCK	Input	Clock input.
24	PLL_TEST_CLOCK	Input	For test.
25	VDD2	Input	Digital power supply.
26	PRG0	—	Not used. Connect GND.
27	PRG1	—	Not used. Connect GND.
28	PRG2	—	Not used. Connect GND.
29	PRG3	—	Not used. Connect GND.
30	PRG4	—	Not used. Connect GND.
31	VSS2	—	Digital GND.
32	TEST(BIST_FAIL)	Output	For test.
33	FMT0	—	Not used.
34	FMT1	—	Not used.
35	FMT2	—	Not used.
36	VSS2	—	Digital GND.
37	VDD2	Input	Digital power supply.
38*	TEST(BIST_DONE)	Output	For test.
39	DATA	Input	Address and data input.
40	CLOCK	Input	Serial data input clock.
41	ENABLE	Input	Command enable input.
42	CMODE	—	Not used.
43	VDD2	Input	Digital power supply.
44	MUTE EXT	—	Not used.
45	STEREO	—	Not used.
46	VSS2	—	Digital GND.
47	RESET	Input	Reset input.
48	TEST	—	Digital GND.

In this unit, the terminal with asterisk mark (*) is (open) terminal which is not connected to the outside.

IC105 VHiLC83210W-1: DVS (LC83210W)

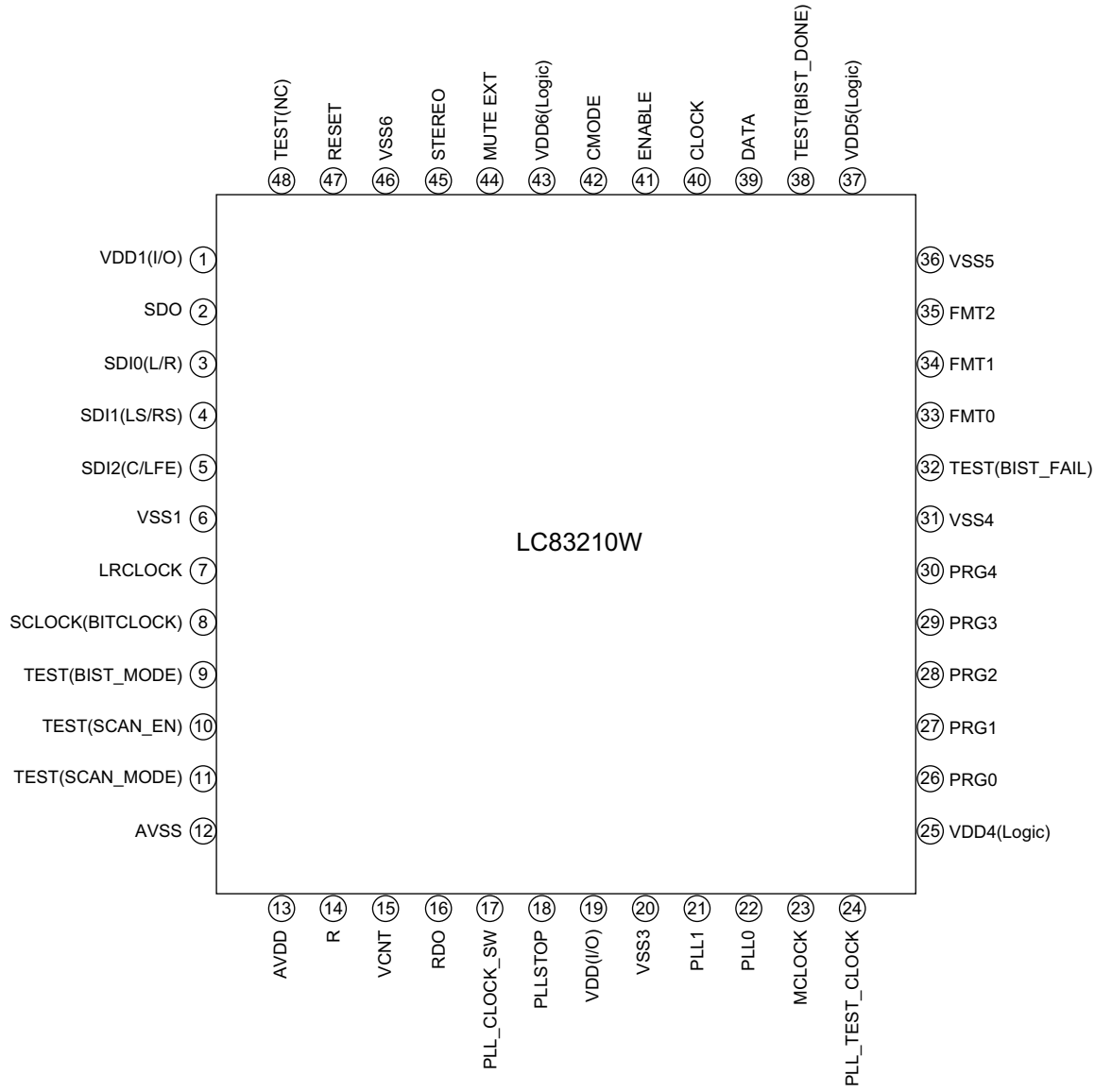


Figure 8-5 BLOCK DIAGRAM OF IC

IC114, IC115, IC116 VHiSTG3157C-1: High Speed Switch (STG3157C)

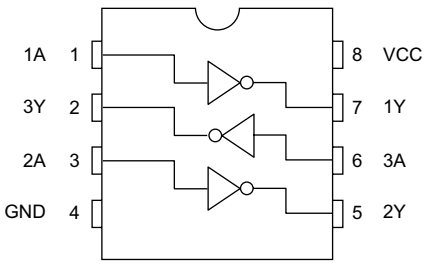


Figure 8-5 BLOCK DIAGRAM OF IC

IC501 VHiBD3813K1-1: Volume (BD3813K1) (1/2)

Pin No.	Terminal Name	Function
1	GND1	Ground terminal.
2	GOUTSW	Subwoofer input gain output terminal.
3	VINSW	Subwoofer volume input terminal.
4	GOUTSR	Surround Rch input gain output terminal.
5	VINSR	Surround Rch volume input terminal.
6	GOUTSL	Surround Lch input gain output terminal.
7	VINSL	Surround Lch volume input terminal.
8	GOUTC	Center speaker input gain output terminal.
9	VINC	Center speaker volume input terminal.
10	GND2	Ground terminal.
11*	PORTA	Output terminal for port.
12*	PORTB	Output terminal for port.
13	DA	Serial data and latch input terminal.
14	CL	Serial clock input terminal.
15	VDD	Power supply terminal for port.
16	VEE	(-) Power supply terminal.
17	GND3	Ground terminal.
18	VCC	(+) Power supply terminal.
19*	OUTSB	Surround back output terminal.
20	GND4	Ground terminal.
21	OUTC	Center speaker output terminal.
22	GND5	Ground terminal.
23	OUTSL	Surround Lch output terminal.
24	GND6	Ground terminal.
25	OUTSR	Surround Rch output terminal.
26	GND7	Ground terminal.
27	OUTSW	Subwoofer output terminal.
28	GND8	Ground terminal.
29	OUTFL	Lch output terminal.
30	GND9	Ground terminal.
31	OUTFR	Rch output terminal.
32	GND10	Ground terminal.
33	BNF2L	Lch bass filter terminal 2.
34	BNF1L	Lch bass filter terminal 1.
35	BNF2R	Rch bass filter terminal 2.
36	BNF1R	Rch bass filter terminal 1.
37	TNFL	Lch treble filter terminal.
38	VSSQ	GND.
39	VINFR	Rch volume input terminal.
40	GOUTFR	Rch input gain output terminal.
41	VINFL	Lch volume input terminal.
42	GOUTFL	Lch input gain output terminal.
43	INFRA	Rch DVD input terminal.
44	INFLA	Lch DVD input terminal.
45	INSWA	SWch DVD input terminal.
46	INSRA	SRch DVD input terminal.
47	INSLA	SLch DVD input terminal.
48	INCA	Cch DVD input terminal.
49*	INSBA	SBch DVD input terminal.
50	INFRB	Rch DSP input terminal.
51	INFLB	Lch DSP input terminal.
52	INSWB	SWch DSP input terminal.
53*	INSRB	SRch DSP input terminal.
54*	INSLB	SLch DSP input terminal.
55*	INCB	Cch DSP input terminal.
56	INSBB	SBch DSP input terminal.

In this unit, the terminal with asterisk mark (*) is (open) terminal which is not connected to the outside.

IC501 VHiBD3813K1-1: Volume (BD3813K1)

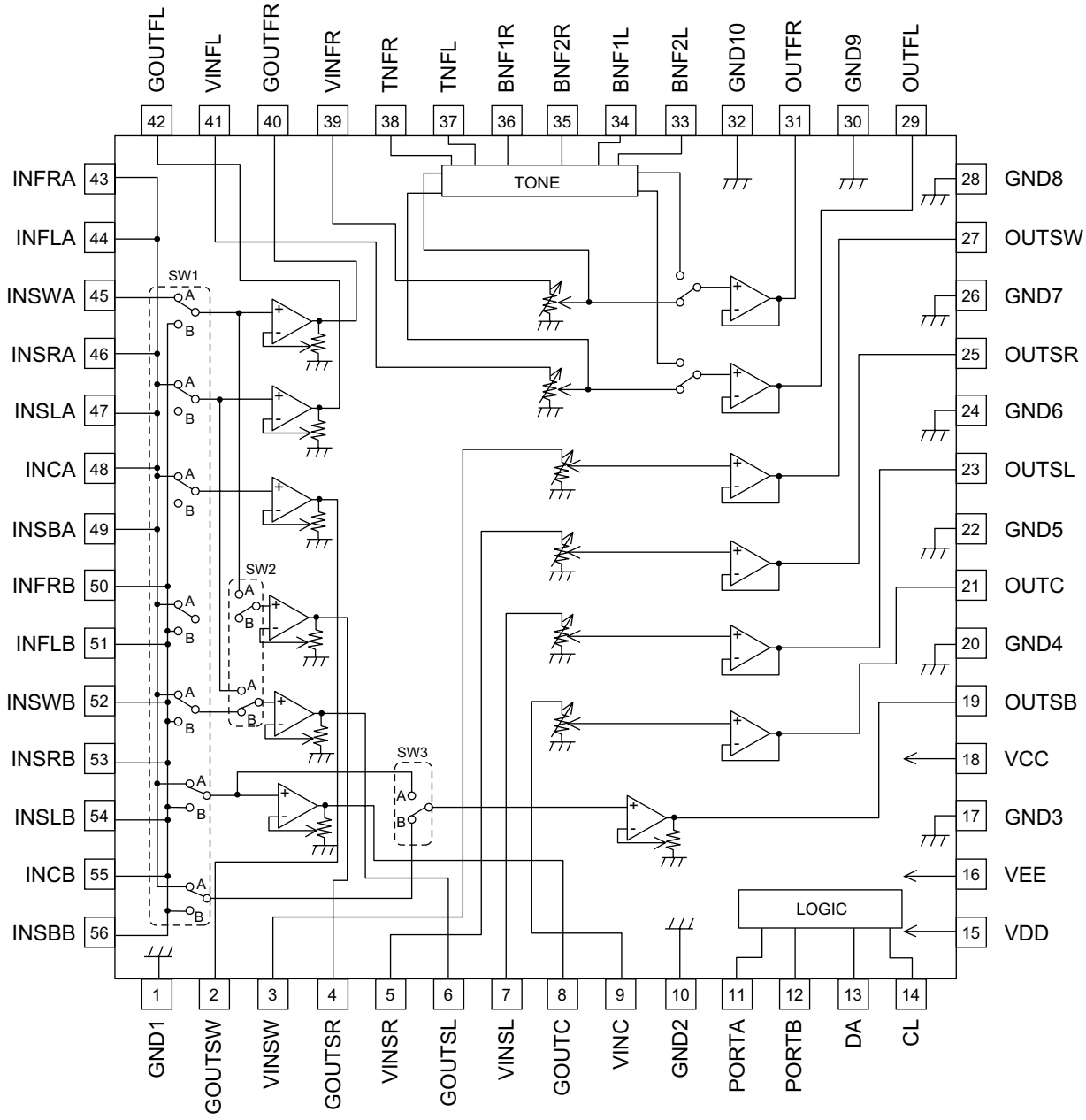


Figure 8-7 BLOCK DIAGRAM OF IC

IC701 RH-iXA030AW00: System Microcomputer (IXA030AW) (1/2)

Pin No.	Terminal Name	Port Name	Input/Output	Function
1*	N.C.	P96/ANEX1/SOUT4	Output	Not used.
2*	N.C.	P95/ANEX0/CLK4	Output	Not used.
3*	N.C.	P94/DA1/TB4IN	Output	Not used.
4	SYS STB	P93/DA0/TB3IN	Input	Communication with amp unit. SYS→AMP communication request.
5	AMP MODE	P92/TB2IN/SOUT3	Output	Communication with amp unit. (To receive in amp mode) STB=H: AMP→SYS communication start request.
6	SYS CMD	P91/TB1IN/SIN3	Input	Communication with amp unit, command transfer.
7	SYS CLK	P90/TB0IN/CLK3	Input	Communication with amp unit, sync clock output.
8	BYTE	BYTE	Input	Connect to VSS.
9	VSS	VSS	—	GND
10*	XC IN	P87/XCIN	Input	32.768 kHz Subclock.
11*	XC OUT	P86/XCOUT	Output	32.768 kHz Subclock.
12	RESET	RESET	Input	System micom reset input. L: RESET
13	X_OUT	XOUT	Output	Main clock output 9.83 MHz.
14	GND	VSS	—	Connect to GND (VSS).
15	X_IN	XIN	Input	Main clock input 9.83 MHz.
16	VCC	VCC	Input	Power input 3.3 V, back up power.
17	NMI	P85/NMI	Input	Pull up to VCC by 10K.
18	SYS STOP	P84/INT2	Input	AC power signal monitor. “H” → “L” Power failure detect
19	SP_DET	P83/INT1	Output	SP abnormal detect. L: PROTECT
20*	EEPROM WP	P82/INT0	Output	EEPROM write protect.
21	CCB CE	P81/TA4IN/U	Output	Tuner PLL/Volume IC interface chip enable output.
22	CCB DI	P80/TA4OUT/U	Output	Tuner PLL/Volume IC interface data output.
23	CCB DO	P77/TA3IN	Input	Tuner PLL/Volume IC interface data input.
24	CCB CLK	P76/TA3OUT	Output	Tuner PLL/Volume IC interface clock output.
25	EEPROM MODE	P75/TA2IN/W	Input	EEPROM access mode. L: Normal, H: Read
26*	W CONT DATA	P74/TA2OUT/W	Output	USER_BIT info monitor input.
27*	EEPROM SCL	P73/CTS2/RTS2/TA1IN/V	Output	EEPROM SCL
28*	EEPROM SDA	P72/CLK2/TA1OUT/V	Output	EEPROM SDATA
29	CODEC CLK	P71/RVXD2/SCL/TA0IN/ TB5IN	Output	CODEC CLK
30	CODEC DATA	P70/TXD2/SDA/TA0OUT	Output	CODEC DATA
31	RDS_RST/FLASH_TXD	P67/TXD1	Output	RDS RAM reset output/flash data output.
32	RDS_D0/FLASH_RXD	P66/RXD1	Input	RDS data input/flash data input.
33	RDS_RDY/ FLASH_SCLK	P65/CLK1	Input	RDS ready input/flash clock input.
34	RDS_CLK/ FLASH_BUSY	P64/CTS1/RTS1/CTS0/ CLKS1	Output	RDS clock output/flash busy output.
35	DSP_SCDIN	P63/TXD0	Output	DSP command out.
36	DSP_SCDOUT	P62/RXD0	Input	DSP data in.
37	DSP_SCLK	P61/CLK0	Output	DSP CLOCK
38	DSP_CS	P60/CTS0/RTS0	Output	DSP CS
39	DSP_RESET	P57/RDY/CLKOUT	Output	DSP IC communication interface clock. DSP IC reset signal.
40	DSP_INTREQ	P56/ALE	Input	Request signal input to receive DSP data. “L”: DSP MICOM DEMAND DATA
41*	W_CH 1	P55/HOLD	Output	Channel 1 selector.
42*	W_CH 2	P54/HLDA	Output	Channel 2 selector.
43*	W_CH3	P53/A16	Output	Channel 3 selector.
44	INDICATOR LED	P52/A17	Output	Power ON: LED ON (H) Power OFF: LED OFF (L)
45	OVF	P51/WRH/BHE	Input	CODEC A/D converter over flow monitor.
46*	N.C.	P50/WRL/WR	Output	Not used.
47*	N.C.	P47/CS3	Output	Not used.
48*	N.C.	P46/CS2	Output	Not used.
49	VOL_DA	P45/CS1	Output	Data and latch output for electronic volume IC control sjg-nal.
50	VOL_CLK	P44/CS0	Output	CLK output for electronic volume IC control signal.
51*	N.C.	P43/A19	Output	Not used.
52	NON PCM	P42/A18	Input	Audio PCM monitoring input. “L”: Audio PCM “H”: Non Audio PCM
53	AC_RELAY	P41/A17	Output	Main trans ON/OFF control by relay. H: Relay ON

In this unit, the terminal with asterisk mark (*) is (open) terminal which is not connected to the outside.

IC701 RH-iXA030AW00: System Microcomputer (IXA030AW) (2/2)

Pin No.	Terminal Name	Port Name	Input/Output	Function
54	SP_RELAY	P40/A16	Output	Speaker output control by relay. H: Relay ON
55	CONFIG	P37/A15	Output	Config setting output subwoofer. “Yes” (Config 1): “H”, “No” (Config 2): “L”
56	BASS SW	P36/A14	Output	Subwoofer amp gain control output. “H”: BASS OFF, “L”: BASS ON
57*	N.C.	P35/A13	Output	Not used.
58*	KARA_CLK	P34/A12	Output	Karaoke CLK.
59*	KARA_DI	P33/A11	Output	Karaoke data input.
60*	KARA_LATCH	P32/A10	Output	Karaoke latch.
61*	MIC IN	P31/A9	Input	Mic SW detection.
62	VCC	VCC	Input	VCC
63	H/P SW	P30/A8(/-/D7)	Input	Headphones detection. “H”: H.P Inserted
64	GND	VSS	—	Connect to GND (VSS).
65	SYS PWDN	P27/A7(/D7/D6)	Input	SYS power failure detection input.
66	AMP PWDN	P26/A6(/D6/D5)	Output	AMP power failure detection input.
67*	N.C.	P25/A5(/D5/D4)	Output	Not used.
68*	N.C.	P24/A4(/D4/D3)	Output	Not used.
69*	N.C.	P23/A3(/D3/D2)	Output	Not used.
70	SW SP POWER	P22/A2(/D2/D1)	Output	ACT subwoofer power control.
71	DVS SELECTOR	P21/A1(/D1/D0)	Output	Dolby virtual surround selector.
72	DVS DATA	P20/A0(/D0/-)	Output	Dolby virtual surround data.
73	DVS CS	P17/D15/INT5	Output	Dolby virtual surround cs.
74	DVS CLK	P16/D14/INT4	Output	Dolby virtual surround clock.
75*	N.C.	P15/D13/INT3	Output	Not used.
76*	N.C.	P14/D12	Output	Not used.
77	DVD GAIN ADJ	P13/D11	Output	DVD gain adjustment.
78*	N.C.	P12/D10	Output	Not used.
79	1 BIT_PROTECT	P11/D9	Input	1bit amp tempover error detection.“L”: Abnormal
80	SACD	P10/D8	Output	SACD detection. “H”: SACD, “L”: TUNER
81*	DT CONT	P07/D7	Output	Deadtime control port. Only in tuner mode: “H”
82	FUNC DIG	P06/D6	Output	Power control at unit and digital signal change output at digital function.
83*	N.C.	P05/D5	Output	Not used.
84	L_MUTE	P04/D4	Output	VCR out audio mute output. H: Mute ON, L: Mute OFF
85	W_S MUTE	P03/D3	Output	Subwoofer speaker S-MUTE output. ‘H’: Mute ON, ‘L’: Mute OFF
86	F_S MUTE	P02/D2	Output	Front speaker S-MUTE output. ‘H’: Mute ON, ‘L’: Mute OFF
87	C_S MUTE	P01/D1	Output	Center speaker S-MUTE output. ‘H’: Mute ON, ‘L’: Mute OFF
88	S_S MUTE	P00/D0	Output	Surround speaker S-MUTE output. ‘H’: Mute ON, ‘L’: Mute OFF
89*	S_MUTE	P107/AN7/KI3	Output	Audio mute control. H: Mute ON
90	+B CHECK	P106/AN6/KI2	Input	Observe power on input and decide the reset timing.
91	PROTECT	P105/AN5/KI1	Input	Power abnormal detect.
92	A/D RESET	P104/AN4/KI0	Output	1 bit amp A/D reset control.
93	FAN LOCK 2	P103/AN3	Input	Fan stop detection.
94	TUNER SM	P102/AN2	Input	TUNER IF signal monitor.
95	IDP KEY in	P101/AN1	Input	Key in. (Only IDP mode)
96	GND	AVSS	—	Connect to GND (VSS).
97*	N.C.	P100/AN0	Output	Not used.
98	VREF	VREF	Input	Connect to VCC.
99	AVCC	AVCC	Input	Connect to VCC.
100	IDP MODE	P97/ADTRG/SIN4	Input	IDP MODE L: Normal, H: Idependance Mode

In this unit, the terminal with asterisk mark (*) is (open) terminal which is not connected to the outside.

IC701 RH-iXA030AW00: System Microcomputer (IXA030AW)

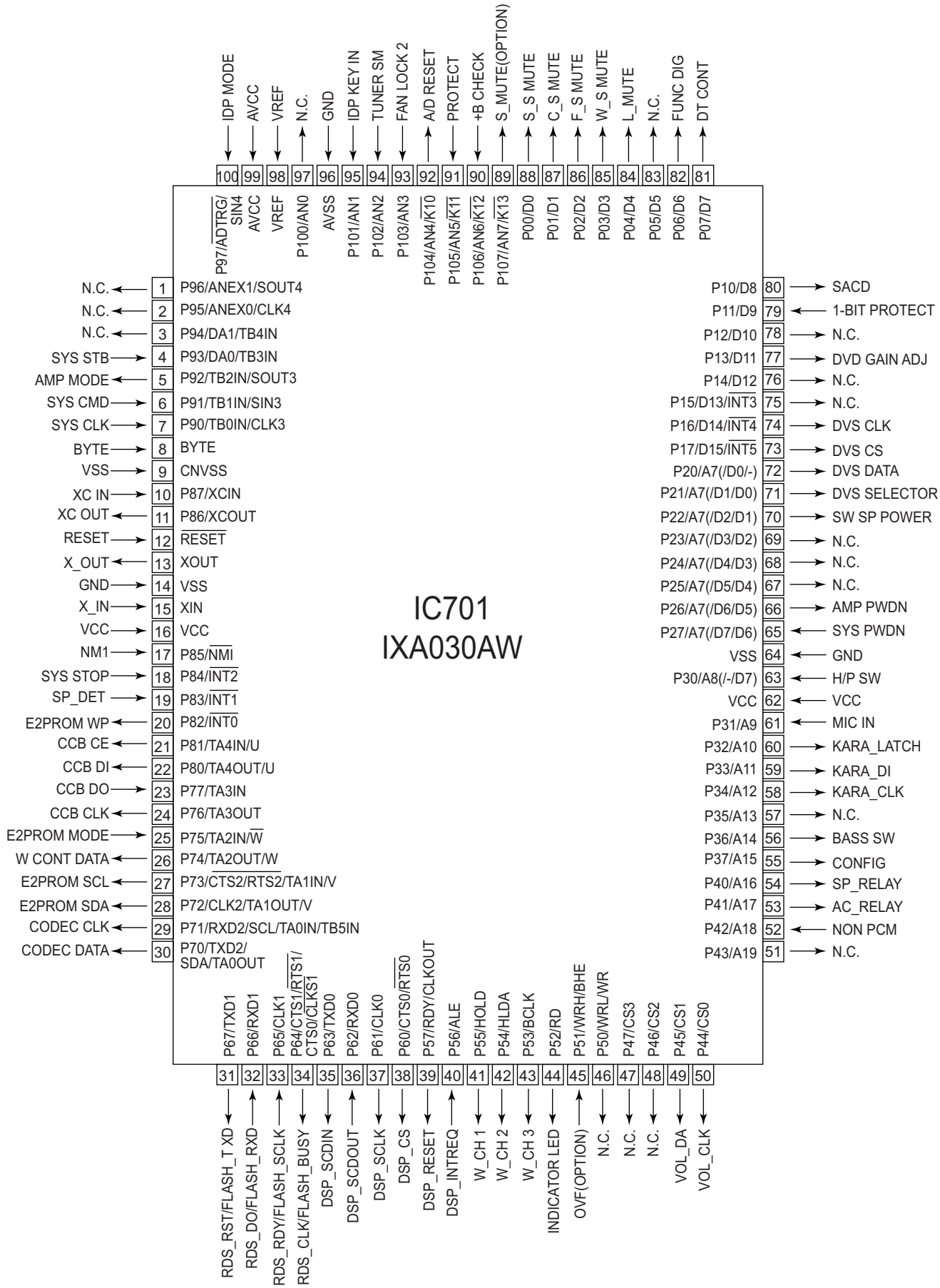

IC701
IXA030AW
1 P96/ANEX1/SOUT4 — N.C.
2 P95/ANEX0/CLK4 — N.C.
3 P94/DA1/TB4IN — N.C.
4 P93/DA0/TB3IN — SYS STB
5 P92/TB2IN/SOUT3 — AMP MODE
6 P91/TB1IN/SIN3 — SYS CMD
7 P90/TB0IN/CLK3 — SYS CLK
8 BYTE — BYTE
9 CNVSS — VSS
10 P87/XCIN — XC IN
11 P86/XCOUT — XC OUT
12 RESET — RESET
13 XOUT — X_OUT
14 VSS — GND
15 XIN — X_IN
16 VCC — VCC
17 P85/NMI — NM1
18 P84/INT2 — SYS STOP
19 P83/INT1 — SP_DET
20 P82/INT0 — E2PROM WP
21 P81/TA4IN/U — CCB CE
22 P80/TA4OUT/U — CCB DI
23 P77/TA3IN — CCB DO
24 P76/TA3OUT — CCB CLK
25 P75/TA2IN/W — E2PROM MODE
26 P74/TA2OUT/W — W CONT DATA
27 P73/CTS2/RTS2/TA1IN/V — E2PROM SCL
28 P72/CLK2/TA1OUT/V — E2PROM SDA
29 P71/RXD2/SCL/TA0IN/TB5IN — CODEC CLK
30 P70/TXD2/SDA/TA0OUT — CODEC DATA
31 P67/TXD1 — RDS_RST/FLASH_T XD
32 P66/RXD1 — RDS_DO/FLASH_RXD
33 P65/CLK1 — RDS_RDY/FLASH_SCLK
34 P64/CTS1/RTS1/CTS0/CLKS1 — RDS_CLK/FLASH_BUSY
35 P63/TXD0 — DSP_SCDIN
36 P62/RXD0 — DSP_SCDOUT
37 P61/CLK0 — DSP_SCLK
38 P60/CTS0/RTS0 — DSP_CS
39 P57/RDY/CLKOUT — DSP_RESET
40 P56/ALE — DSP_INTREQ
41 P55/HOLD — W_CH 1
42 P54/HLDA — W_CH 2
43 P53/BCLK — W_CH 3
44 P52/RD — INDICATOR LED
45 P51/WRH/BHE — OVF(OPTION)
46 P50/WRL/WR — N.C.
47 P47/CS3 — N.C.
48 P46/CS2 — N.C.
49 P45/CS1 — VOL_DA
50 P44/CS0 — VOL_CLK
51 P43/A19 — N.C.
52 P42/A18 — NON PCM
53 P41/A17 — AC_RELAY
54 P40/A16 — SP_RELAY
55 P37/A15 — CONFIG
56 P36/A14 — BASS SW
57 P35/A13 — N.C.
58 P34/A12 — KARA_CLK
59 P33/A11 — KARA_DI
60 P32/A10 — KARA_LATCH
61 P31/A9 — MIC IN
62 VCC — VCC
63 P30/A8(/-/D7) — H/P SW
64 VSS — GND
65 P27/A7(/D7/D6) — SYS PWDN
66 P26/A7(/D6/D5) — AMP PWDN
67 P25/A7(/D5/D4) — N.C.
68 P24/A7(/D4/D3) — N.C.
69 P23/A7(/D3/D2) — N.C.
70 P22/A7(/D2/D1) — SW SP POWER
71 P21/A7(/D1/D0) — DVS SELECTOR
72 P20/A7(/D0/-) — DVS DATA
73 P17/D15/INT5 — DVS CS
74 P16/D14/INT4 — DVS CLK
75 P15/D13/INT3 — N.C.
76 P14/D12 — N.C.
77 P13/D11 — DVD GAIN ADJ
78 P12/D10 — N.C.
79 P11/D9 — 1-BIT PROTECT
80 P10/D8 — SACD
81 P07/D7 — DT CONT
82 P06/D6 — FUNC DIG
83 P05/D5 — N.C.
84 P04/D4 — L_MUTE
85 P03/D3 — W_S MUTE
86 P02/D2 — F_S MUTE
87 P01/D1 — C_S MUTE
88 P00/D0 — S_S MUTE
89 P107/AN7/K13 — S_MUTE(OPTION)
90 P106/AN6/K12 — +B CHECK
91 P105/AN5/K11 — PROTECT
92 P104/AN4/K10 — A/D RESET
93 P103/AN3 — FAN LOCK 2
94 P102/AN2 — TUNER SM
95 P101/AN1 — IDP KEY IN
96 AVSS — GND
97 P100/AN0 — N.C.
98 VREF — VREF
99 AVCC — AVCC
100 P97/ADTRG/SIN4 — IDP MODE

Figure 8-10 BLOCK DIAGRAM OF IC

ICA100, ICA200, ICA300 RH-iX0498AWZZ: 7th Order $\Delta\Sigma$ Modulation Conversion LSI (IX0498AW)

Pin No.	Terminal Name	Input/Output	Function
1	VDDL	Input	Power supply terminal of Channel L digital output section.
2	OUTL(+)	Output	Channel L normal rotation output terminal.
3	OUTL(-)	Output	Channel L inversion output terminal.
4	GNDD	—	Ground terminal of the digital output section.
5	OUTR(-)	Output	Channel R inversion output terminal.
6	OUTR(+)	Output	Channel R normal rotation output terminal.
7	VDDR	Input	Power supply terminal of Channel R digital output section.
8	VDDX	Input	Power supply terminal of the oscillating section.
9	XI	Input	Crystal oscillator connection terminal. Generates clock necessary for the system.
10	XO	Output	Crystal oscillator connection terminal. Generates clock necessary for the system.
11	GNDX	—	Oscillating section ground terminal.
12*	MCK	Output	System clock output terminal.
13*	TEST	Input	Test terminal. Normally used in “L”.
14	NFR1(+)	Input	Normal rotation signal feedback input terminal of Channel L.
15	NFR2(-)	Input	Inversion signal feedback input terminal of Channel L.
16	GNDA	—	Analog ground terminal for AD converter.
17	RCH IN	Input	Channel R analog input terminal.
18	RCH VREF	Input	Channel R reference voltage terminal.
19	LCH VREF	Input	Channel L reference voltage terminal.
20	LCH IN	Input	Channel L analog input terminal.
21	RESET	Input	Reset terminal. Reset with “L”.
22	NFL2(-)	Input	Inversion signal feedback input terminal of Channel L.
23	NFL1(+)	Input	Normal rotation signal feedback input terminal of Channel L.
24	VDDA	Input	Analog power supply terminal for AD converter.

In this unit, the terminal with asterisk mark (*) is (open) terminal which is not connected to the outside.

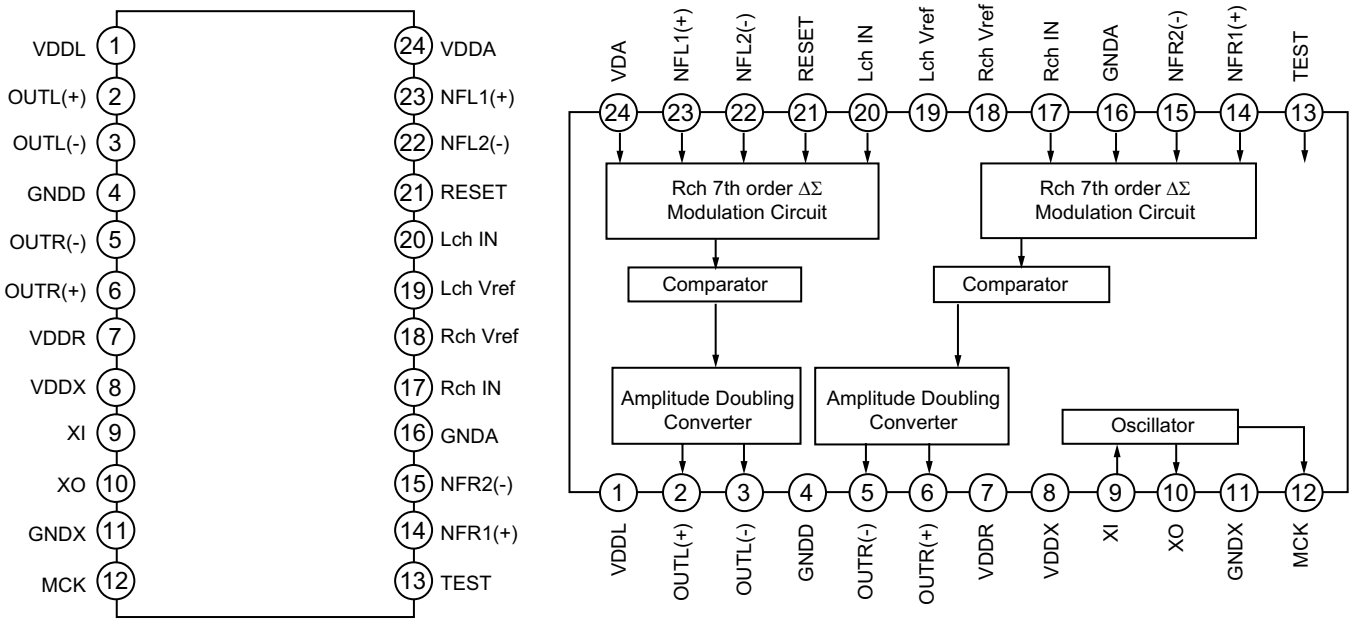


Figure 8-11 BLOCK DIAGRAM OF IC

ICA101, ICA102, ICA201, ICA202, ICA301, ICA302 VHiSLA5515M-1: Switching Audio Power Amp. (SLA5515M)

Pin No.	Terminal Name	Function
1	SA	Output stage low-side source terminal A.
2	OUTA	Output stage switching output A.
3	OUTA	Output stage switching output A.
4	VBBA	Positive potential output stage power supply A.
5	VBBA	Positive potential output stage power supply A.
6	VBOOTA	Boot-strap condenser terminal A.
7	DTADJA	Dead time control terminal A.
8	DTADJB	Dead time control terminal B.
9	INA	Logic input A.
10	VKK	Negative potential output stage power supply.
11	VCC	Predrive power supply.
12	VKK	Negative potential output stage power supply.
13	INB	Logic input B.
14	GND	Ground of the control section.
15	VDD	Power supply of the control section.
16	VBOOTB	Boot-strap condenser terminal B.
17	VBBB	Positive potential output stage power supply B.
18	VBBB	Positive potential output stage power supply B.
19	OUTB	Output stage switching output B.
20	OUTB	Output stage switching output B.
21	SB	Output stage low-side source terminal B.

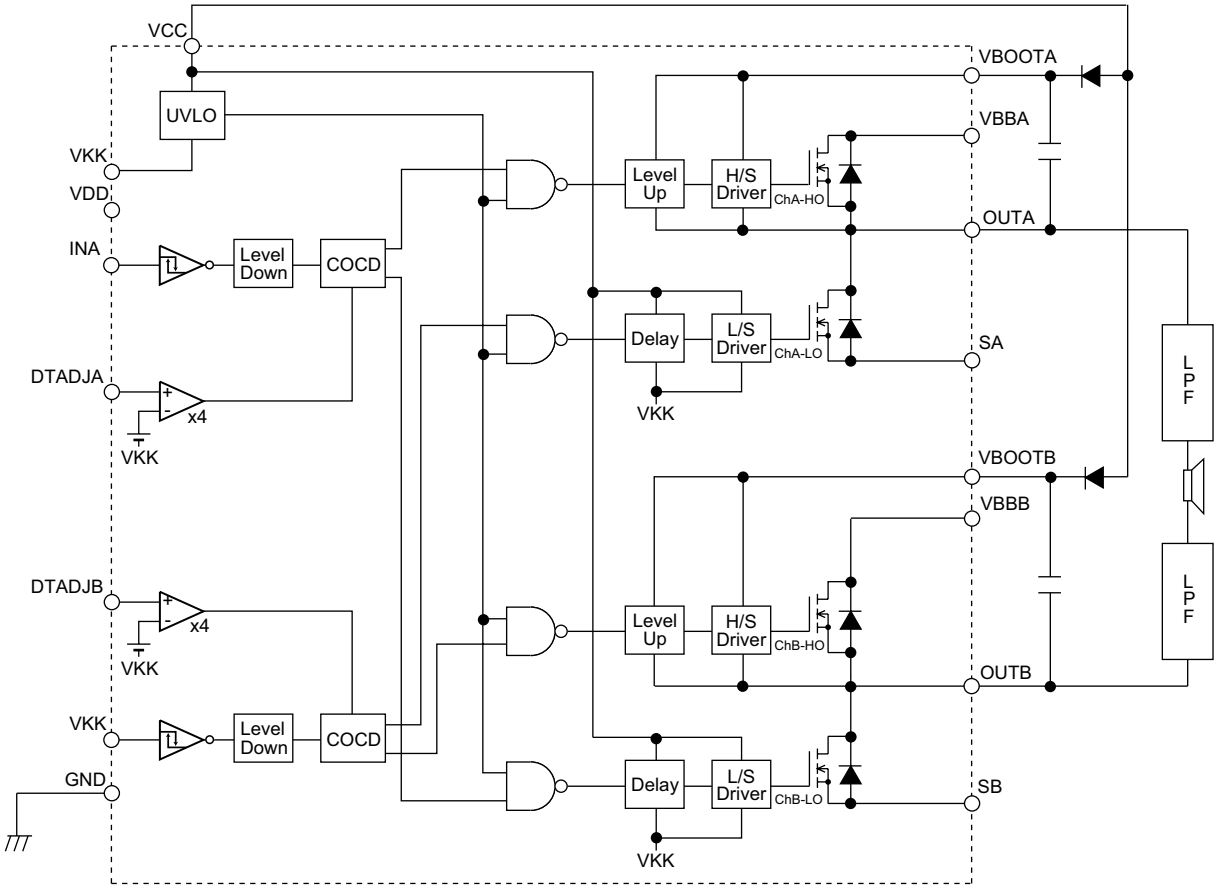


Figure 8-12 BLOCK DIAGRAM OF IC

ICG101 VHiBD3842FS-1: Input Selector (BD3842FS)

Pin No.	Terminal Name	Function
1	INA1	A 1ch input terminal.
2	INA2	A 2ch input terminal.
3	INB1	B 1ch input terminal.
4	INB2	B 2ch input terminal.
5	INC1	C 1ch input terminal.
6	INC2	C 2ch input terminal.
7	IND1	D 1ch input terminal.
8	IND2	D 2ch input terminal.
9*	INE1	E 1ch input terminal.
10*	INE2	E 2ch input terminal.
11	INF1	F 1ch input terminal.
12	INF2	F 2ch input terminal.
13	OUT2	2ch output terminal.
14	OUT1	1ch output terminal.
15	RECB2	B 2ch REC output terminal.
16	RECB1	B 1ch REC output terminal.
17	RECA2	A 2ch REC output terminal.
18	RECA1	A 1ch REC output terminal.
19	VCC	(+) Power supply terminal.
20	BIAS	Bias input terminal.
21	VEE	(-) Power supply terminal.
22	DA	Serial data & latch input terminal.
23	CL	Serial clock input terminal.
24	DGND	Digital ground terminal.

In this unit, the terminal with asterisk mark (*) is (open) terminal which is not connected to the outside.

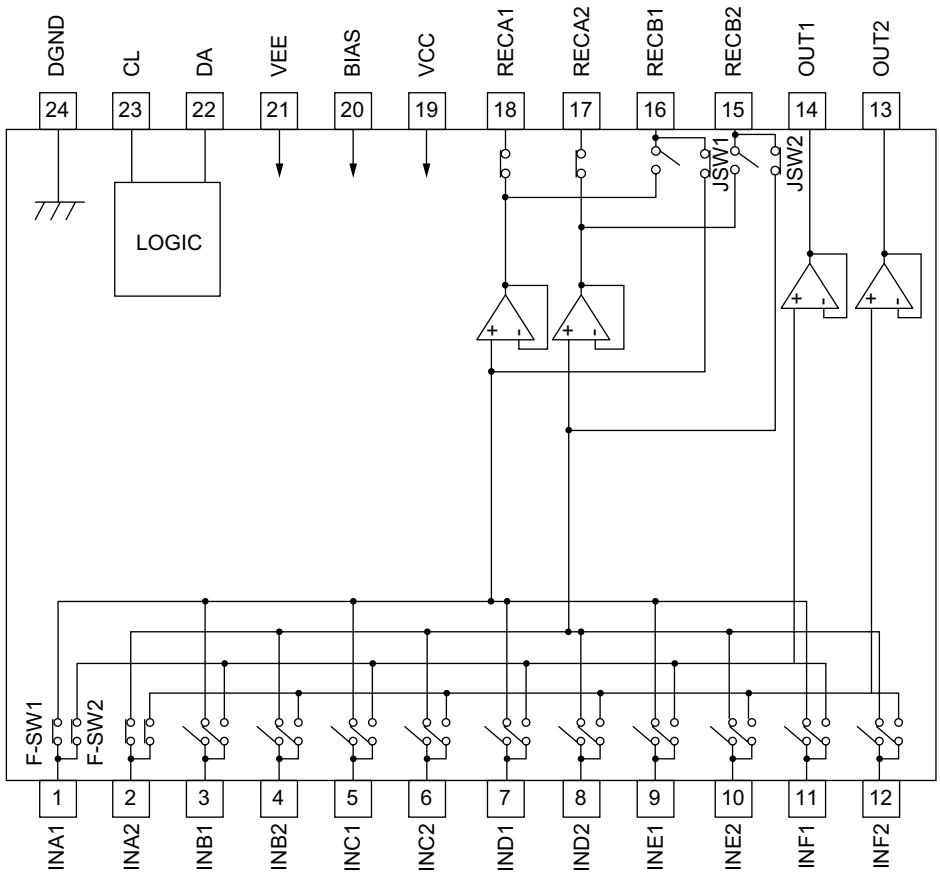


Figure 8-13 BLOCK DIAGRAM OF IC

ICP200, ICP204 VHiBH7868FS-1: Video Driver (BH7868FS)

Pin No.	Terminal Name	Function
1	VCC1	Power supply terminal.
2, 3*	S1, S2	S1/S2 Select terminal.
4	CIN	Signal input terminal.
5	MUTE1	Mute select.
6*	CVIN	Signal input terminal.
7	SEL (CV/MIX)	CV or MIX select.
8	YIN	Signal input terminal.
9	BIAS	Bias
10	SEL (CLAMP/BIAS)	Clamp or bias select for Py/G amp.
11	Py/G IN (CLAMP/BIAS)	Signal input terminal.
12	GND1	GND
13	Pb/B IN	Signal input terminal.
14	MUTE2	Mute select.
15	Pr/R IN	Signal input terminal.
16	VCC2	Power supply terminal.
17, 18	Pr/R OUT SAG, Pr/R OUT	Component or R signal output terminal. Component or R signal SAG compensation terminal.
19	GND2	GND
20, 21	Pb/B OUT SAG, Pb/B OUT	Component or B signal output terminal. Component or B signal SAG compensation terminal.
22	GND2	GND
23, 24	Py/G OUT SAG, Py/G OUT	Luminance signal output terminal. (CLAMP MODE) G signal output terminal. (BIAS MODE) Luminance/G signal SAG compensation terminal.
25	GND2	GND
26, 27	YOUT SAG, Y OUT	Luminance signal output terminal. Luminance signal SAG compensation terminal.
28	GND2	GND
29, 30	CVOUT SAG, CV OUT	Luminance signal output terminal. Luminance signal SAG compensation terminal.
31	S-DC OUT	S1/S2 DC out.
32	COUT	Chroma signal output terminal.

In this unit, the terminal with asterisk mark (*) is (open) terminal which is not connected to the outside.

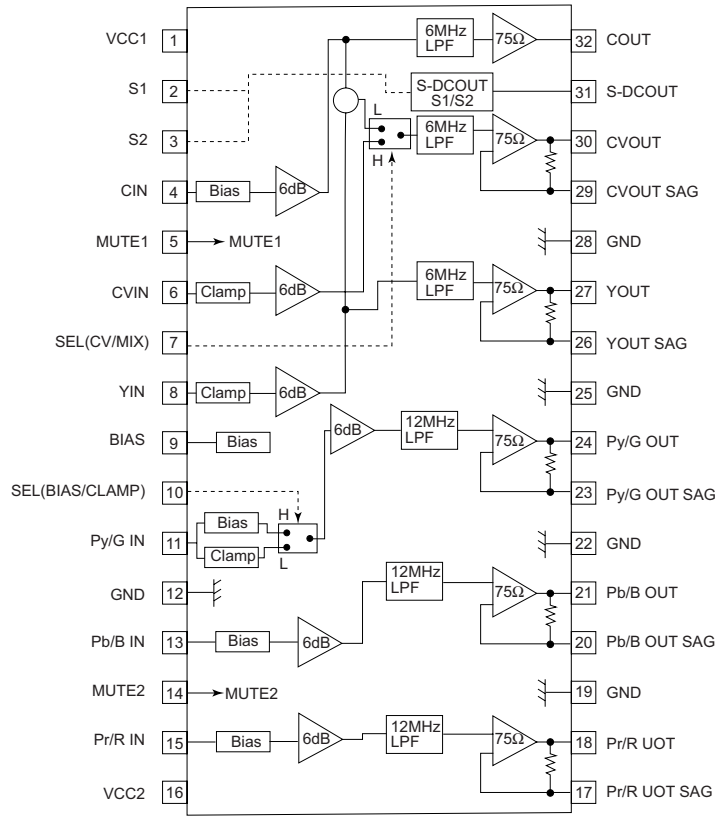


Figure 8-14 BLOCK DIAGRAM OF IC

ICP600 RH-iXA028AW00: System Microcomputer (IXA028AW) (1/2)

Pin No.	Terminal Name	Port Name	Input/Output	Function
1	LCD_SDA	P96/ANEX1/SOUT4	Output	Display data output to LCD driver.
2	LCD_SCL	P95/ANEX0/CLK4	Output	Serial clock output to LCD driver.
3	LCD_CS	P94/DA1/TB4IN	Output	CS control output to LCD driver.
4	LCD_RESET	P93/DA0/TB3IN	Output	Reset output to LCD driver.
5	LCD_A0	P92/TB2IN/SOUT3	Output	A0 signal output to LCD driver.
6	CHANGER LED	P91/TB1IN/SIN3	Output	Changer LED. H: LED ON, L: LED OFF
7	N.C.	P90/TB0IN/CLK3	Output	Not used.
8	BYTE	BYTE	Input	Connect to VSS.
9	VSS	VSS	—	GND
10*	XC IN	P87/XCIN	Input	32.768 kHz Subclock.
11*	XC OUT	P86/XCOUT	Output	32.768 kHz Subclock.
12	RESET	RESET	Input	System micom reset input. L: RESET
13	X_OUT	XOUT	Output	Main clock output 9.83 MHz.
14	GND	VSS	—	Connect to GND (VSS).
15	X_IN	XIN	Input	Main clock input 9.83 MHz.
16	VCC	VCC	Input	Power input 3.3 V, back up power.
17	NMI	P85/NMI	Output	Pull up to VCC by 10K.
18	POWER KEY	P84/INT2	Input	Power Key detection. “L”: Pressing key
19	REMO SIGNAL H	P83/INT1	Input	Remocon signal decord (Pilips Remo) for horizontal way.
20	REMO SIGNAL V	P82/INT0	Input	Remocon signal decord (Pilips Remo) for vertical way.
21	V/H SW 1	P81/TA4IN/U	Input	Vertical/Horizontal position detection SW1.
22	DVD IR	P80/TA4OUT/U	—	DVD command data.
23	V/H SW 2	P77/TA3IN	Output	Vertical/Horizontal position detection SW2.
24	DVD FUNC	P76/TA3OUT	Input	Power control at DVD unit.
25	EEPROM MODE	P75/TA2IN/W	Input	EEPROM access mode. L: Normal, H: Read
26	DVD RESET	P74/TA2OUT/W	Output	DVD reset out.
27	EEPROM WP	P73/CTS2/RTS2/TA1IN/V	Output	EEPROM WP
28*	N.C.	P72/CLK2/TA1OUT/V	—	Not used.
29	EEPROM SCL	P71/RVXD2/SCL/TA0IN/ TB5IN	Input	Clock input from EEPROM.
30	EEPROM SDA	P70/TXD2/SDA/TA0OUT	Output	Power control at DVD unit. POWER ON (W/O TUNER: “L” OUTPUT, TUNER & P-OFF: “H” OUTPUT)
31	FLASH_TXD	P67/TXD1	Output	Sent data output to flash writer.
32	DVD DATA/ FLASH_RXD	P66/RXD1	Input	DVD data input serial 32 byte/receive data input from flash writer.
33	DVD CLK/ FLASH_SCLK	P65/CLK1	Input	DVD data clock input serial 32 byte/clock input from flash writer.
34	FLASH_BUSY	P64/CTS1/RTS1/CTS0/ CLKS1	Output	Bus output to flash writer. BUSY: “H”
35	SYS CMD	P63/TXD0	Output	Communication with amp unit, command transfer.
36	AMP MOE	P62/RXD0	Input	Communication with amp unit. (To receive in amp mode) STB=H: AMP→SYS communication start request
37	SYS CLK	P61/CLK0	Output	Communication with amp unit, sync clock output.
38	SYS STB	P60/CTS0/RTS0	Output	Communication with amp unit. SYS→AMP communication request
39	LED 1	P57/RDY/CLKOUT	Output	LED 1 control. ON = “H”, OFF = “L”
40	LED 2	P56/ALE	Output	LED 2 control. ON = “H”, OFF = “L”
41	LED 3	P55/HOLD	Output	LED 3 control. ON = “H”, OFF = “L”
42	LED 4	P54/HLDA	Output	LED 4 control. ON = “H”, OFF = “L”
43	LED 5	P53/A16	Output	LED 5 control. ON = “H”, OFF = “L”
44*	N.C.	P52/A17	—	Not used.
45*	N.C.	P51/WRH/BHE	—	Not used.
46*	N.C.	P50/WRL/WR	—	Not used.
47	UNLOAD SW	P47/CS3	—	CH mecha SW5.
48	D_CAM HOME SW	P46/CS2	Output	CH mecha P_SW H1.
49	D_CAM POS SW	P45/CS1	Input	CH mecha P_SW H2.
50	LOAD SW	P44/CS0	Input	CH mecha P_SW H3.
51	M_CAM POS SW	P43/A19	Input	CH mecha P_SW H4.
52	M_CAM OVER SW	P42/A18	Input	CH mecha P_SW H5.
53	SHUTTER SW	P41/A17	Input	CH mecha P_SW H6.

In this unit, the terminal with asterisk mark (*) is (open) terminal which is not connected to the outside.

ICP600 RH-iXA028AW00: System Microcomputer (IXA028AW) (2/2)

Pin No.	Terminal Name	Port Name	Input/Output	Function
54	PLAY SW	P40/A16	Input	CH mecha SW2.
55	M_CAM HOME SW	P37/A15	Input	CH mecha SW4.
56	LOCK SW	P36/A14	Input	CH mecha SW7.
57	DR MOT+	P35/A13	Output	CH drum motor (+).
58	DR MOT-	P34/A12	Output	CH drum motor (-).
59	MO MOT+	P33/A11	Output	CH mode cam motor (+).
60	MO MOT-	P32/A10	Output	CH mode cam motor (-).
61	MOT SPEED 1	P31/A9	Output	CH motor speed control. H: Low Speed
62	VCC	VCC	Input	Power input 3.3 V, back up power.
63	MOT SPEED 2	P30/A8(/-/D7)	Input	CH motor speed control. H: Low Speed
64	GND	VSS	—	Connect to GND (VSS).
65*	N.C.	P27/A7(/D7/D6)	—	Not used.
66*	N.C.	P26/A6(/D6/D5)	—	Not used.
67	AMP PWDN	P25/A5(/D5/D4)	Input	AMP power failure detection input.
68	SYS PWDN	P24/A4(/D4/D3)	Output	SYS power failure detection output.
69	ASPECT 1	P23/A3(/D3/D2)	Output	ASPECT 1 control output.
70*	ASPECT 2	P22/A2(/D2/D1)	Output	ASPECT 2 control output.
71*	N.C.	P21/A1(/D1/D0)	—	Not used.
72*	N.C.	P20/A0(/D0/-)	—	Not used.
73*	N.C.	P17/D15/INT5	—	Not used.
74	SYS STOP	P16/D14/INT4	Input	AC power signal monitor. “H” → “L” power failure detect.
75*	N.C.	P15/D13/INT3	—	Not used.
76	A MUTE	P14/D12	Input	DVD mute input. (Only DVD function) L: MUTE OFF, H: MUTE ON
77*	N.C.	P13/D11	Input	Not used.
78*	N.C.	P12/D10	—	Not used.
79	POWER LED	P11/D9	Output	LED lighting control. POWER LED: H, L, L DIMMER : H, H, L BRIGHT DIM OFF
80	V MODE IN	P10/D8	—	YUV or RGB detection. H: YUV, L: RGB
81*	KEY_LED	P07/D7	Output	Power key LED. H: ON, L: OFF
82*	N.C.	P06/D6	—	Not used.
83	TIMER LED	P05/D5	Output	Timer stand-by LED control. “L” output: LED OFF, “H” output: LED ON
84	V MUTE	P04/D4	Output	P-ON mute. H: MUTE OFF, L: MUTE ON
85	Y MUTE	P03/D3	Output	Progressive pin control. H: PROGRESSIVE, L: INTERACE
86*	N.C.	P02/D2	—	Not used.
87*	N.C.	P01/D1	—	Not used.
88	IDP MODE	P00/D0	Input	IDP MODE L= Normal, H= Independence
89*	N.C.	P107/AN7/KI3	—	Not used.
90	AREA2	P106/AN6/KI2	Input	Destination 2.
91	PROTECT	P105/AN5/KI1	Input	Power abnormal detect.
92	AREA1	P104/An4/KI0	Input	Destination 1.
93*	N.C.	P103/AN3	Input	Not used.
94	DVD +B PROTECT	P102/AN2	Input	DVD +B protect detect.
95	A/D KEY2	P101/AN1	Input	Key 2 input.
96	GND	AVSS	—	Connect to GND (VSS).
97	A/D KEY1	P100/AN0	Input	Key 1 input.
98	VREF	VREF	Input	Connect to VCC.
99	AVCC	AVCC	Input	Connect to VCC.
100	DIMMER	P97/ADTRG/SIN4	Output	LED lighting control. Same as port 79.

In this unit, the terminal with asterisk mark (*) is (open) terminal which is not connected to the outside.

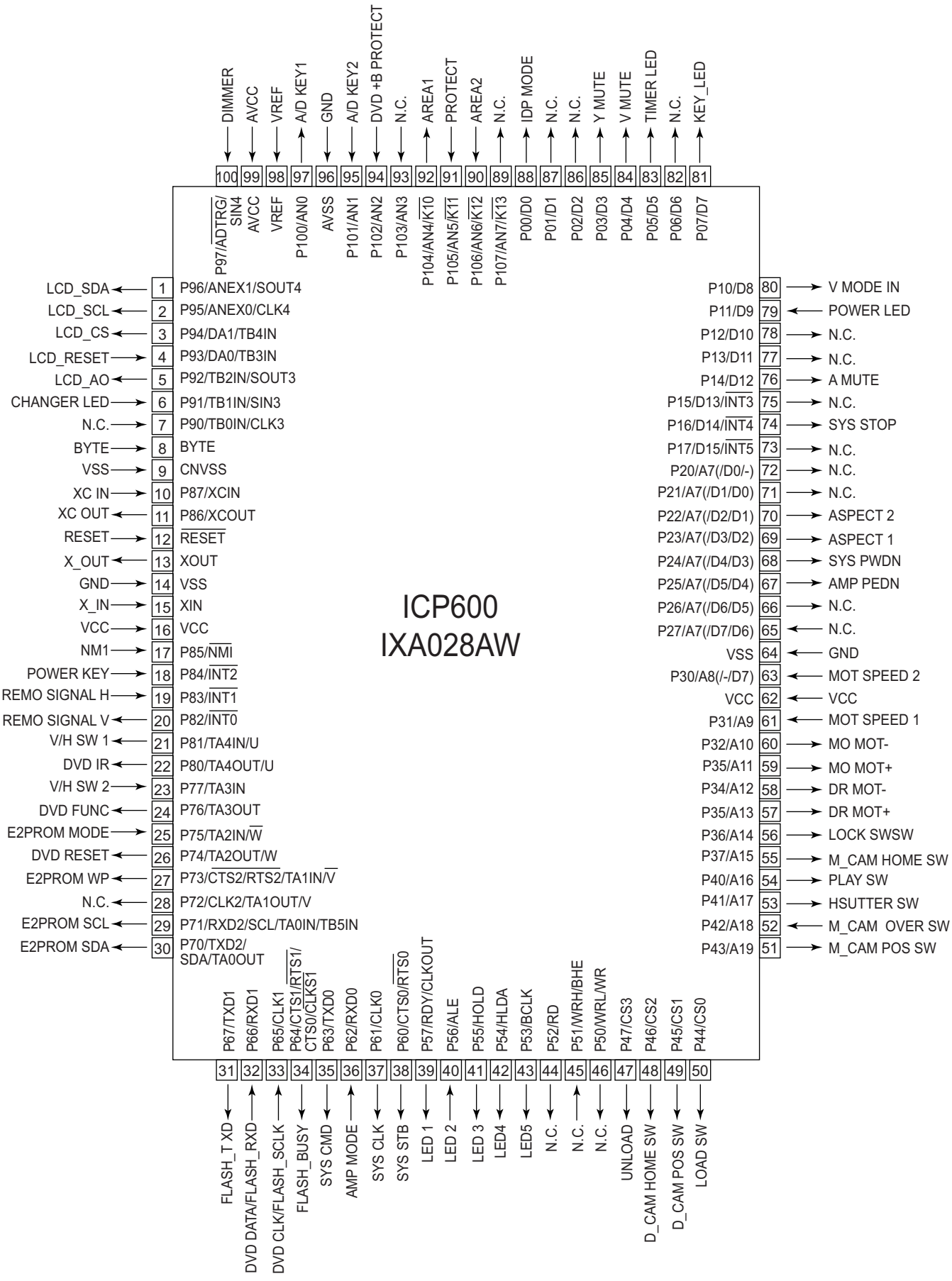


Figure 8-17 BLOCK DIAGRAM OF IC

SHARP PARTS GUIDE

1-BIT DIGITAL HOME CINEMA WITH DVD

MODEL SD-AS10H(S)

SD-AS10H(S) 1-Bit Digital Home Cinema with DVD consisting of SD-AS10H(S) (main unit and amplifier unit), CP-AS10HF (front speakers), CP-AS10HC (center speaker), CP-AS10HR (surround speakers) and CP-AS10HSW (subwoofer).

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[20] P.W.B. ASSEMBLY (Not Replacement Item)

[21] OTHER SERVICE PART

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Parts marked with "⚠" are important for maintaining the safety of the set. Be sure to replace these parts with specified ones for maintaining the safety and performance of the set.

SHARP CORPORATION

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The contents are subject to change without notice.

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[1] INTEGRATED CIRCUITS					
iC101	VHiCS493264-1	BN			DSP,CS493264
iC102	VHiAK4586VQ-1	BC			ADC/DAC/DIR Converter,AK4586VQ
iC103	VHi74V2GU04-1	AE			Inverter Resistor,74V2GU04
iC104	VHi74HC07AF-1	AF			Buffer Amp.,74HC07AF
iC105	VHiLC83210W-1	BB			DVS,LC83210W
iC110	VHiSi3050LUS1	AG			Voltage Regulator,SI3050LUS
iC111	RH-iX0446AWZZ	AL			Voltage Regulator,IX0446AW
iC112	VHiL4931Z33-1	AF			3.3V Regulator,L4931Z33
iC113	RH-iX0446AWZZ	AL			Voltage Regulator,IX0446AW
iC114	VHiSTG3157C-1	AG			High Speed Switch,STG3157C
iC115	VHiSTG3157C-1	AG			High Speed Switch,STG3157C
iC116	VHiSTG3157C-1	AG			High Speed Switch,STG3157C
iC306	VHiTJM4558CD1	AE			Ope Amp.,TJM4558CD
iC411	VHiTJM4558CD1	AE			Ope Amp.,TJM4558CD
iC412	VHiTJM4558CD1	AE			Ope Amp.,TJM4558CD
iC413	VHiTJM4558CD1	AE			Ope Amp.,TJM4558CD
iC501	VHiBD3813K1-1	AU			Volume,BD3813K1
iC505	VHiNJM4565M-1	AC			Buffer Amp.,NJM4565M
iC506	VHiTJM4558CD1	AE			Ope Amp.,TJM4558CD
iC507	VHiKiA7805AP1	AF			Voltage Regulator,KIA7805AP
iC513	VHiKiA7809AP1	AF			Voltage Regulator,KIA7809AP
iC701	RH-iXA030AW00	AY			System Microcomputer,IXA030AW
iC702	VHiL4931Z33-1	AF			3.3V Regulator,L4931Z33
iC703	VHiL4931Z33-1	AF			3.3V Regulator,L4931Z33
iC704	VHiPST9127/-1	AG			Reset,PST9127
⚠ iC901	VHiSTRF6268-1	AY			Switching Regulator,STRF6268
iC931	VHiSE-B2+++-1	AL			Error Amp.,SE-B2
iC933	VHiKiA7809AP1	AF			Voltage Regulator,KIA7809AP
iC934	VHiKiA7805AP1	AF			Voltage Regulator,KIA7805AP
iC937	VHiAN77L05+-1	AG			Voltage Regulator,AN77L05
iCA100	RH-iX0498AWZZ	AZ			7th Order ΔΣ Modulation Conversion LSI,IX0498AW
iCA101	VHiSLA5515M-1	BB			Switching Audio Power Amp.,SLA5515M
iCA102	VHiSLA5515M-1	BB			Switching Audio Power Amp.,SLA5515M
iCA200	RH-iX0498AWZZ	AZ			7th Order ΔΣ Modulation Conversion LSI,IX0498AW
iCA201	VHiSLA5515M-1	BB			Switching Audio Power Amp.,SLA5515M
iCA202	VHiSLA5515M-1	BB			Switching Audio Power Amp.,SLA5515M
iCA300	RH-iX0498AWZZ	AZ			7th Order ΔΣ Modulation Conversion LSI,IX0498AW
iCA301	VHiSLA5515M-1	BB			Switching Audio Power Amp.,SLA5515M
iCA302	VHiSLA5515M-1	BB			Switching Audio Power Amp.,SLA5515M
iCD101	VHiTC7WU04U-1	AG			Inverter Resistor,TC7WU04U
iCD102	VHiTC7WU04U-1	AG			Inverter Resistor,TC7WU04U
iCG101	VHiBD3842FS-1	AM			Input Selector,BD3842FS
iCG102	VHiTJM4558CD1	AE			Ope Amp.,TJM4558CD
iCP100	VHiKiA7805AP1	AF			Voltage Regulator,KIA7805AP
iCP111	VHiBD9701T-V5	AM			1-ch DC-DC Converter,BD9701T
iCP131	VHiBD9701T-V5	AM			1-ch DC-DC Converter,BD9701T
iCP151	VHiKiA278R09P	AK			9V Regulator,KIA278R09
iCP171	VHiKiA278R09P	AK			9V Regulator,KIA278R09
iCP200	VHiBH7868FS-1	AM			Video Driver,BH7868FS
iCP201	VHiKiA7805AP1	AF			Voltage Regulator,KIA7805AP
iCP202	VHi74HCU04F-1	AE			Inverter,74HCU04F
iCP203	VHiNJM4565M-1	AC			Buffer Amp.,NJM4565M
iCP204	VHiBH7868FS-1	AM			Video Driver,BH7868FS
iCP600	RH-iXA028AW00	AY			System Microcomputer,IXA028AW
iCP601	VHiL4931Z33-1	AF			3.3V Regulator,L4931Z33
iCP602	VHiL4931Z33-1	AF			3.3V Regulator,L4931Z33
iCP640	VHiM24C02WMN-	AF			EEPROM,M24C02WMN
iCP641	VHiPST9127/-1	AG			Reset,PST9127
iCP700	VHiTA7291S/-1	AH			Loading Motor Driver,TA7291S
iCP701	VHiTA7291S/-1	AH			Loading Motor Driver,TA7291S
iCT21	VHiLC72723/-1	AR			RDS Decorder,LC72723
[2] TRANSISTORS					
Q400	VSKRA107S//-1	AB			Digital,NPN,KRA107 S
Q401	VSKTC4375Y+-1	AE			Silicon,NPN,KTC4375 Y
Q403	VSKTC3875GR-1	AB			Silicon,NPN,KTC3875 GR
Q428	VSKRC102S//-1	AB			Digital,NPN,KRC102 S
Q429	VSKRA107S//-1	AB			Digital,NPN,KRA107 S
Q459	VSCPH3418++-1	AG			FET,CPH3418
Q501	VSKRA107S//-1	AB			Digital,NPN,KRA107 S
Q503	VS2SK208///-1	AD			FET,2SK208
Q504	VS2SK208///-1	AD			FET,2SK208
Q512	VSKRA107S//-1	AB			Digital,NPN,KRA107 S
Q513	VSKTC3875GR-1	AB			Silicon,NPN,KTC3875 GR
Q514	VSKTC3875GR-1	AB			Silicon,NPN,KTC3875 GR
Q515	VSKTC3875GR-1	AB			Silicon,NPN,KTC3875 GR
Q516	VSKTA1504GR-1	AB			Silicon,PNP,KTA1504 GR
Q517	VSKTC2875B/-1	AC			Silicon,NPN,KTC2875 B
Q518	VSKTC2875B/-1	AC			Silicon,NPN,KTC2875 B
Q523	VSKRA107S//-1	AB			Digital,NPN,KRA107 S
Q524	VSKTC3875GR-1	AB			Silicon,NPN,KTC3875 GR
Q525	VSKTC4375Y+-1	AE			Silicon,NPN,KTC4375 Y
Q526	VSKTA1273Y/-1	AE			Silicon,PNP,KTA1273 Y
Q527	VSKTC3875GR-1	AB			Silicon,NPN,KTC3875 GR
Q528	VSKRC107S//-1	AB			Digital,NPN,KRC107 S

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[2] TRANSISTORS					
Q530	VSKTC3875GR-1	AB			Silicon,NPN,KTC3875 GR
Q535	VSKTC3875GR-1	AB			Silicon,NPN,KTC3875 GR
Q536	VSKRA107S//-1	AB			Digital,NPN,KRA107 S
Q537	VSKTC3875GR-1	AB			Silicon,NPN,KTC3875 GR
Q538	VSKRA107S//-1	AB			Digital,NPN,KRA107 S
Q539	VSKTC3875GR-1	AB			Silicon,NPN,KTC3875 GR
Q541	VSKTC3875GR-1	AB			Silicon,NPN,KTC3875 GR
Q542	VSKRA106S//-1	AB			Digital,PNP,KRA106 S
Q543	VSKTC3875GR-1	AB			Silicon,NPN,KTC3875 GR
Q544	VSKTC3875GR-1	AB			Silicon,NPN,KTC3875 GR
Q545	VSKTC3875GR-1	AB			Silicon,NPN,KTC3875 GR
Q598	VSKTC2875B/-1	AC			Silicon,NPN,KTC2875 B
Q599	VSKTC2875B/-1	AC			Silicon,NPN,KTC2875 B
Q701	VSKRC104S//-1	AC			Digital,NPN,KRC104 S
Q702	VSKRC104S//-1	AC			Digital,NPN,KRC104 S
Q703	VSKRC104S//-1	AC			Digital,NPN,KRC104 S
Q704	VSKRC104S//-1	AC			Digital,NPN,KRC104 S
Q705	VSKRC104S//-1	AC			Digital,NPN,KRC104 S
Q706	VSKRC104S//-1	AC			Digital,NPN,KRC104 S
Q710	VSKRC102S//-1	AB			Digital,NPN,KRC102 S
Q711	VSKTA1504GR-1	AB			Silicon,PNP,KTA1504 GR
Q892	VSKTC3203Y/-1	AC			Silicon,NPN,KTC3203 Y
Q893	VSKTC3203Y/-1	AC			Silicon,NPN,KTC3203 Y
Q895	VSKTA1266GR-1	AB			Silicon,PNP,KTA1266 GR
Q896	VSKRC106M//-1	AB			Digital,NPN,KRC106 M
Q950	VSKTC3875GR-1	AB			Silicon,NPN,KTC3875 GR
⚠ Q951	VSKTA1266GR-1	AB			Silicon,PNP,KTA1266 GR
QA400	VSKTA1504GR-1	AB			Silicon,PNP,KTA1504 GR
QA401	VSKTA1504GR-1	AB			Silicon,PNP,KTA1504 GR
QA402	VSKTA1504GR-1	AB			Silicon,PNP,KTA1504 GR
QA403	VSKTA1504GR-1	AB			Silicon,PNP,KTA1504 GR
QA404	VSKTA1504GR-1	AB			Silicon,PNP,KTA1504 GR
QA405	VSKTA1504GR-1	AB			Silicon,PNP,KTA1504 GR
QA406	VSKTA1504GR-1	AB			Silicon,PNP,KTA1504 GR
QA407	VSKTA1504GR-1	AB			Silicon,PNP,KTA1504 GR
QA408	VSKRA102S//-1	AB			Digital,PNP,KRA102 S
QA409	VSKTA1504GR-1	AB			Silicon,PNP,KTA1504 GR
QA410	VSKRC104S//-1	AC			Digital,NPN,KRC104 S
QA411	VSKRC102S//-1	AB			Digital,NPN,KRC102 S
QA412	VSKTA1504GR-1	AB			Silicon,PNP,KTA1504 GR
QA413	VSKRC102S//-1	AB			Digital,NPN,KRC102 S
QA420	VSKRC107S//-1	AB			Digital,NPN,KRC107 S
QA421	VSKRC102S//-1	AB			Digital,NPN,KRC102 S
QA422	VSKRC104S//-1	AC			Digital,NPN,KRC104 S
QA423	VSKRC102S//-1	AB			Digital,NPN,KRC102 S
QA424	VSKRC104S//-1	AC			Digital,NPN,KRC104 S
QA427	VSKRA102S//-1	AB			Digital,PNP,KRA102 S
QD101	VSKRA107S//-1	AB			Digital,NPN,KRA107 S
QG101	VSKTC2875B/-1	AC			Silicon,NPN,KTC2875 B
QG102	VSKTC2875B/-1	AC			Silicon,NPN,KTC2875 B
QG103	VSKTA1504GR-1	AB			Silicon,PNP,KTA1504 GR
QP131	VSKRC102M//-1	AC			Digital,NPN,KRC102 M
QP132	VSKRC107S//-1	AB			Digital,NPN,KRC107 S
QP200	VSKRC107S//-1	AB			Digital,NPN,KRC107 S
QP201	VSKTC3875GR-1	AB			Silicon,NPN,KTC3875 GR
QP202	VSKRC107S//-1	AB			Digital,NPN,KRC107 S
QP203	VSKRC107S//-1	AB			Digital,NPN,KRC107 S
QP204	VSKRC107S//-1	AB			Digital,NPN,KRC107 S
QP205	VSKRA105S//-1	AB			Digital,PNP,KRA105 S
QP206	VSKRA105S//-1	AB			Digital,PNP,KRA105 S
QP207	VSKTC3875GR-1	AB			Silicon,NPN,KTC3875 GR
QP208	VSKTC3875GR-1	AB			Silicon,NPN,KTC3875 GR
QP209	VSKRC107S//-1	AB			Digital,NPN,KRC107 S
QP210	VSKRC107S//-1	AB			Digital,NPN,KRC107 S
QP211	VSKRC107S//-1	AB			Digital,NPN,KRC107 S
QP641	VSKRC104S//-1	AC			Digital,NPN,KRC104 S
QP642	VSKRC104S//-1	AC			Digital,NPN,KRC104 S
QP660	VSKRC106S//-1	AB			Digital,NPN,KRC106 S
QP661	VSKRC107S//-1	AB			Digital,NPN,KRC107 S
QP700	VSKRC107S//-1	AB			Digital,NPN,KRC107 S
QP701	VSKRC107S//-1	AB			Digital,NPN,KRC107 S
QP702	VSKRC107S//-1	AB			Digital,NPN,KRC107 S
QP703	VSKRC107S//-1	AB			Digital,NPN,KRC107 S
QP704	VSKRC107S//-1	AB			Digital,NPN,KRC107 S
QP705	VSKRC104S//-1	AC			Digital,NPN,KRC104 S
QP706	VSKRC104S//-1	AC			Digital,NPN,KRC104 S
QP707	VSKRC104S//-1	AC			Digital,NPN,KRC104 S
QP708	VSKRC104S//-1	AC			Digital,NPN,KRC104 S
QP709	VSKRC104S//-1	AC			Digital,NPN,KRC104 S
QP710	VSKRC104S//-1	AC			Digital,NPN,KRC104 S
QP730	VS2SB709AR+-1	AB			Silicon,PNP,2SB709 AR
QP731	VSKRC102S//-1	AB			Digital,NPN,KRC102 S
QP732	VSKRC104S//-1	AC			Digital,NPN,KRC104 S
QP733	VSKRC104S//-1	AC			Digital,NPN,KRC104 S
QP734	VSKRC104S//-1	AC			Digital,NPN,KRC104 S

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[2] TRANSISTORS					
QP735	VSKRC104S//-1	AC			Digital,NPN,KRC104 S
QP736	VSKRC104S//-1	AC			Digital,NPN,KRC104 S
QP737	VSKRC104S//-1	AC			Digital,NPN,KRC104 S
QP738	VSKRC107S//-1	AB			Digital,NPN,KRC107 S
QP739	VSKRC104S//-1	AC			Digital,NPN,KRC104 S
QT21	VSKTC2875B/-1	AC			Silicon,NPN,KTC2875 B
QT22	VSKRC107S//-1	AB			Digital,NPN,KRC107 S
QT23	VSKRC107S//-1	AB			Digital,NPN,KRC107 S
[3] DIODES					
D2	VHDKDS160//-1	AB			Silicon,KDS160
D3	VHDKDS160//-1	AB			Silicon,KDS160
D4	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
D103	VHDKDS160//-1	AB			Silicon,KDS160
D104	VHDKDS160//-1	AB			Silicon,KDS160
D105	VHDKDS160//-1	AB			Silicon,KDS160
D106	VHDKDS160//-1	AB			Silicon,KDS160
D110	VHDKDS160//-1	AB			Silicon,KDS160
D111	VHDKDS160//-1	AB			Silicon,KDS160
D112	VHDKDS160//-1	AB			Silicon,KDS160
D400	VHD1N4148H/-1	AA			Silicon,1N4148H
D419	VHDKDS160//-1	AB			Silicon,KDS160
D501	VHD1N4148H/-1	AA			Silicon,1N4148H
D502	VHD1N4148H/-1	AA			Silicon,1N4148H
D507	VHD1N4148H/-1	AA			Silicon,1N4148H
D509	VHDKDS160//-1	AB			Silicon,KDS160
D514	VHDKDS160//-1	AB			Silicon,KDS160
D516	VHDKDS160//-1	AB			Silicon,KDS160
D517	VHD1N4148H/-1	AA			Silicon,1N4148H
D518	VHD1N4148H/-1	AA			Silicon,1N4148H
D525	VHD1N4148H/-1	AA			Silicon,1N4148H
D526	VHD1N4148H/-1	AA			Silicon,1N4148H
D581	VHDKDS160//-1	AB			Silicon,KDS160
D582	VHDKDS160//-1	AB			Silicon,KDS160
D583	VHDKDS160//-1	AB			Silicon,KDS160
D701	VHDGD1N4004-1	AB			Silicon,GD1N4004
D702	VHD1N4148H/-1	AA			Silicon,1N4148H
D703	VHDKDS160//-1	AB			Silicon,KDS160
D704	VHD1N4148H/-1	AA			Silicon,1N4148H
D887	VHDKDS160//-1	AB			Silicon,KDS160
D889	VHDKDS160//-1	AB			Silicon,KDS160
D890	VHDKDS160//-1	AB			Silicon,KDS160
D891	VHDKDS160//-1	AB			Silicon,KDS160
⚠ D901	VHDD5SB60++-1	AK			Silicon,D5SB60
⚠ D902	VHDSARS03++-1	AN			Silicon,SARS03
⚠ D905	VHDERA92020-1	AC			Silicon,ERA92020
⚠ D906	VHDERA92020-1	AC			Silicon,ERA92020
⚠ D907	VHDERA92020-1	AC			Silicon,ERA92020
D912	VHDKDS160//-1	AB			Silicon,KDS160
D930	VHDFMLG22S+-1	AM			Silicon,FMLG22S
D931	VHDGD1N4004-1	AB			Silicon,GD1N4004
D932	VHDGD1N4004-1	AB			Silicon,GD1N4004
D936	VHDERB84009-1	AD			Silicon,ERB84009
D938	VHDERB84009-1	AD			Silicon,ERB84009
D939	VHDERB84009-1	AD			Silicon,ERB84009
D944	VHDERA92020-1	AC			Silicon,ERA92020
D947	VHD1N4148H/-1	AA			Silicon,1N4148H
D949	VHDGD1N4004-1	AB			Silicon,GD1N4004
⚠ D950	VHDGD1N4004-1	AB			Silicon,GD1N4004
⚠ D951	VHDGD1N4004-1	AB			Silicon,GD1N4004
⚠ D952	VHDGD1N4004-1	AB			Silicon,GD1N4004
⚠ D953	VHDGD1N4004-1	AB			Silicon,GD1N4004
D954	VHD1N4148H/-1	AA			Silicon,1N4148H
D957	VHD1N4148H/-1	AA			Silicon,1N4148H
D958	VHD1N4148H/-1	AA			Silicon,1N4148H
D963	VHD1N4148H/-1	AA			Silicon,1N4148H
D970	VHDERB84009-1	AD			Silicon,ERB84009
DA108	VHDSFPW56++-1	AE			Silicon,SFPW56
DA109	VHDSFPW56++-1	AE			Silicon,SFPW56
DA110	VHDSFPW56++-1	AE			Silicon,SFPW56
DA111	VHDSFPW56++-1	AE			Silicon,SFPW56
DA112	VHDSFPW56++-1	AE			Silicon,SFPW56
DA113	VHDSFPW56++-1	AE			Silicon,SFPW56
DA114	VHDSFPW56++-1	AE			Silicon,SFPW56
DA115	VHDSFPW56++-1	AE			Silicon,SFPW56
DA130	VHDKDS160//-1	AB			Silicon,KDS160
DA131	VHDKDS160//-1	AB			Silicon,KDS160
DA132	VHDKDS160//-1	AB			Silicon,KDS160
DA133	VHDKDS160//-1	AB			Silicon,KDS160
DA208	VHDSFPW56++-1	AE			Silicon,SFPW56
DA209	VHDSFPW56++-1	AE			Silicon,SFPW56
DA210	VHDSFPW56++-1	AE			Silicon,SFPW56
DA211	VHDSFPW56++-1	AE			Silicon,SFPW56
DA212	VHDSFPW56++-1	AE			Silicon,SFPW56

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[3] DIODES					
DA213	VHDSFPW56++-1	AE			Silicon,SFPW56
DA214	VHDSFPW56++-1	AE			Silicon,SFPW56
DA215	VHDSFPW56++-1	AE			Silicon,SFPW56
DA230	VHDKDS160//-1	AB			Silicon,KDS160
DA231	VHDKDS160//-1	AB			Silicon,KDS160
DA232	VHDKDS160//-1	AB			Silicon,KDS160
DA233	VHDKDS160//-1	AB			Silicon,KDS160
DA307	VHDKDS120E+-1	AC			Silicon,KDS120E
DA308	VHDSFPW56++-1	AE			Silicon,SFPW56
DA309	VHDSFPW56++-1	AE			Silicon,SFPW56
DA310	VHDSFPW56++-1	AE			Silicon,SFPW56
DA311	VHDSFPW56++-1	AE			Silicon,SFPW56
DA312	VHDSFPW56++-1	AE			Silicon,SFPW56
DA313	VHDSFPW56++-1	AE			Silicon,SFPW56
DA314	VHDSFPW56++-1	AE			Silicon,SFPW56
DA315	VHDSFPW56++-1	AE			Silicon,SFPW56
DA316	VHDKDS121E+-1	AC			Silicon,KDS121E
DA317	VHDKDS226//-1	AB			Silicon,KDS226
DA319	VHDKDS120E+-1	AC			Silicon,KDS120E
DA320	VHDKDS121E+-1	AC			Silicon,KDS121E
DA330	VHDKDS160//-1	AB			Silicon,KDS160
DA331	VHDKDS160//-1	AB			Silicon,KDS160
DA332	VHDKDS160//-1	AB			Silicon,KDS160
DA333	VHDKDS160//-1	AB			Silicon,KDS160
DA334	VHDKDS226//-1	AB			Silicon,KDS226
DA336	VHDKDS120E+-1	AC			Silicon,KDS120E
DA337	VHDKDS121E+-1	AC			Silicon,KDS121E
DA338	VHDKDS226//-1	AB			Silicon,KDS226
DA405	VHDKDS160//-1	AB			Silicon,KDS160
DA408	VHDKDS160//-1	AB			Silicon,KDS160
DA410	VHDKDS160//-1	AB			Silicon,KDS160
DA411	VHDKDS160//-1	AB			Silicon,KDS160
DA412	VHDKDS160//-1	AB			Silicon,KDS160
DA413	VHDKDS160//-1	AB			Silicon,KDS160
DA414	VHDKDS160//-1	AB			Silicon,KDS160
DA415	VHDKDS160//-1	AB			Silicon,KDS160
DA444	VHDKDS226//-1	AB			Silicon,KDS226
DD102	VHDKDS160//-1	AB			Silicon,KDS160
DD103	VHDKDS160//-1	AB			Silicon,KDS160
DG101	VHDKDS160//-1	AB			Silicon,KDS160
DG102	VHDKDS160//-1	AB			Silicon,KDS160
DP111	VHD1N4148H/-1	AA			Silicon,1N4148H
DP113	VHDD1FH3+++-1	AE			Schottky,D1FH3
DP131	VHDKDS160//-1	AB			Silicon,KDS160
DP133	VHDD1FH3+++-1	AE			Schottky,D1FH3
DP171	VHD1N4148H/-1	AA			Silicon,1N4148H
DP172	VHD1N4148H/-1	AA			Silicon,1N4148H
DP173	VHD1N4148H/-1	AA			Silicon,1N4148H
DP174	VHDKDS160//-1	AB			Silicon,KDS160
DP200	VHDKDS226//-1	AB			Silicon,KDS226
DP201	VHDKDS160//-1	AB			Silicon,KDS160
DP202	VHDKDS160//-1	AB			Silicon,KDS160
DP203	VHDKDS160//-1	AB			Silicon,KDS160
DP204	VHDKDS160//-1	AB			Silicon,KDS160
DP205	VHDKDS160//-1	AB			Silicon,KDS160
DP206	VHDKDS160//-1	AB			Silicon,KDS160
DP207	VHDKDS160//-1	AB			Silicon,KDS160
DP208	VHDKDS160//-1	AB			Silicon,KDS160
DP209	VHDKDS160//-1	AB			Silicon,KDS160
DP300	VHDKDS160//-1	AB			Silicon,KDS160
DP301	VHDKDS160//-1	AB			Silicon,KDS160
DP302	VHDKDS160//-1	AB			Silicon,KDS160
DP303	VHDKDS160//-1	AB			Silicon,KDS160
DP600	VHD1N4148H/-1	AA			Silicon,1N4148H
DP601	VHD1N4148H/-1	AA			Silicon,1N4148H
DP602	VHDKDS160//-1	AB			Silicon,KDS160
DP642	VHD1N4148H/-1	AA			Silicon,1N4148H
DP643	VHD1N4148H/-1	AA			Silicon,1N4148H
DP644	VHD1N4148H/-1	AA			Silicon,1N4148H
LED702	VHP304BCB32-1	AH			LED,Blue,304BCB32
LEDP600	VHP304VT2H3-1	AC			LED,Red,304VT2H3
LEDP660	VHP50AWC2E46-	AN			LED,White,50AWC2E46
LEDP731	VHPACL110NB-1	AH			LED,Blue,ACL110NB
LEDP780	VHPA104GD2A-1	AC			LED,Green,A104GD2A
LEDP781	VHPA104GD2A-1	AC			LED,Green,A104GD2A
LEDP782	VHPA104GD2A-1	AC			LED,Green,A104GD2A
LEDP783	VHPA104GD2A-1	AC			LED,Green,A104GD2A
LEDP784	VHPA104GD2A-1	AC			LED,Green,A104GD2A
ZD101	VHEUDZS5R6B-1	AC			Zener,5.6V,UDZS5.6B
ZD102	VHEUDZS5R6B-1	AC			Zener,5.6V,UDZS5.6B
ZD401	VHEDZ7R5BSC-1	AB			Zener,7.5V,DZ7.5BSC
ZD402	VHEDZ8R2BSC-1	AB			Zener,8.2V,DZ8.2BSC
ZD403	VHEDZ8R2BSC-1	AB			Zener,8.2V,DZ8.2BSC
ZD502	VHEDZ8R2BSA-1	AB			Zener,8.2V,DZ8.2BSA
ZD503	VHEDZ8R2BSA-1	AB			Zener,8.2V,DZ8.2BSA

	NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
	[3] DIODES					
	ZD557	VHEDZ6R2BSC-1	AB			Zener,6.2V,DZ6.2BSC
	ZD558	VHEDZ6R2BSC-1	AB			Zener,6.2V,DZ6.2BSC
	ZD559	VHEDZ6R2BSC-1	AB			Zener,6.2V,DZ6.2BSC
	ZD560	VHEDZ6R2BSC-1	AB			Zener,6.2V,DZ6.2BSC
	ZD561	VHEDZ6R2BSC-1	AB			Zener,6.2V,DZ6.2BSC
	ZD562	VHEDZ6R2BSC-1	AB			Zener,6.2V,DZ6.2BSC
	ZD563	VHEDZ6R2BSC-1	AB			Zener,6.2V,DZ6.2BSC
	ZD564	VHEDZ6R2BSC-1	AB			Zener,6.2V,DZ6.2BSC
	ZD565	VHEDZ6R2BSC-1	AB			Zener,6.2V,DZ6.2BSC
	ZD566	VHEDZ6R2BSC-1	AB			Zener,6.2V,DZ6.2BSC
	ZD602	VHEDZ6R2BSC-1	AB			Zener,6.2V,DZ6.2BSC
	ZD603	VHEDZ6R2BSC-1	AB			Zener,6.2V,DZ6.2BSC
	ZD934	VHEDZ150BSB-1	AB			Zener,15V,DZ15BSB
	ZD937	VHEDZ150BSB-1	AB			Zener,15V,DZ15BSB
	ZDP112	VHEDZ6R8BSB-1	AB			Zener,6.8V,DZ6.8BSB
	ZDP132	VHEDZ6R8BSB-1	AB			Zener,6.8V,DZ6.8BSB
	ZDP151	VHEDZ5R1BSB-1	AC			Zener,5.1V,DZ5.1BSB
	ZDP200	VHEUDZS2R7B-1	AC			Zener,2.7V,UDZS2.7B
	ZDP201	VHEUDZS6R8B-1	AC			Zener,6.8V,UDZS6.8B
	ZDP202	VHEUDZS3R3B-1	AC			Zener,3.3V,UDZS3.3B
	ZDP677	VHEUDZS6R2B-1	AC			Zener,6.2V,UDZS6.2B
	[4] TRANSFORMERS					
⚠	LD109	RTRNL0107AFZZ	AE			Pulse Power
⚠	T901	RTRNZA003AWZZ	AU			Power (Main)
⚠	T903	RTRNP0313AWZZ	AN			Power (Sub)
	[5] COILS					
	L101	VRS-TV2AB000J	AA			0 ohm,Jumper,1.25x2mm,Green
	L102	VRS-TV2AB000J	AA			0 ohm,Jumper,1.25x2mm,Green
	L103	VPBNN2R2K0000	AC			2.2 μ H
	L104	VPBNN2R2K0000	AC			2.2 μ H
	L105	VPBNN2R2K0000	AC			2.2 μ H
	L106	VPBNN2R2K0000	AC			2.2 μ H
	L108	VPBNN2R2K0000	AC			2.2 μ H
	L110	VPBNN2R2K0000	AC			2.2 μ H
	L401	RCiLC0290AFZZ	AC			Tip Solid Induction,200mA
	L402	RCiLC0290AFZZ	AC			Tip Solid Induction,200mA
	L403	RCiLC0290AFZZ	AC			Tip Solid Induction,200mA
	L701	VP-DH2R2K0000	AB			2.2 μ H,Peaking
⚠	L901	RCiLZ0058AWZZ	AK			AC Line Filter
⚠	L902	RCiLZ0058AWZZ	AK			AC Line Filter
	L931	RCiLZ0062AWZZ	AF			10 μ H
	LA100	RCORF0026AWZZ	AB			Coil,Ferrite Core
	LA101	RCORF0026AWZZ	AB			Coil,Ferrite Core
	LA102	RCORF0026AWZZ	AB			Coil,Ferrite Core
	LA103	RCORF0026AWZZ	AB			Coil,Ferrite Core
	LA104	RCiLZ0048AWZZ	AM			Coil
	LA105	RCiLZ0048AWZZ	AM			Coil
	LA106	RCiLZ0048AWZZ	AM			Coil
	LA107	RCiLZ0048AWZZ	AM			Coil
	LA200	RCORF0026AWZZ	AB			Coil,Ferrite Core
	LA201	RCORF0026AWZZ	AB			Coil,Ferrite Core
	LA202	RCORF0026AWZZ	AB			Coil,Ferrite Core
	LA203	RCORF0026AWZZ	AB			Coil,Ferrite Core
	LA204	RCiLZ0048AWZZ	AM			Coil
	LA205	RCiLZ0048AWZZ	AM			Coil
	LA206	RCiLZ0048AWZZ	AM			Coil
	LA207	RCiLZ0048AWZZ	AM			Coil
	LA300	RCORF0026AWZZ	AB			Coil,Ferrite Core
	LA301	RCORF0026AWZZ	AB			Coil,Ferrite Core
	LA302	RCORF0026AWZZ	AB			Coil,Ferrite Core
	LA303	RCORF0026AWZZ	AB			Coil,Ferrite Core
	LA304	RCiLZ0048AWZZ	AM			Coil
	LA305	RCiLZ0048AWZZ	AM			Coil
	LA306	RCiLZ0048AWZZ	AM			Coil
	LA307	RCiLZ0048AWZZ	AM			Coil
	LA400	RCORF0020AWZZ	AD			Core,Ferrite Core
	LD101	VPBNN2R2K0000	AC			2.2 μ H
	LD102	VPBNN2R2K0000	AC			2.2 μ H
	LD103	VPBNN2R2K0000	AC			2.2 μ H
	LD104	VPBNN2R2K0000	AC			2.2 μ H
	LD105	VPBNN2R2K0000	AC			2.2 μ H
	LD106	RCiLZ0040AWZZ	AH			Coil
	LD107	RCiLZ0040AWZZ	AH			Coil
	LFA100	RCiLZ0055AWZZ	AH			Coil
	LFA101	RCiLZ0055AWZZ	AH			Coil
	LFA200	RCiLZ0055AWZZ	AH			Coil
	LFA201	RCiLZ0055AWZZ	AH			Coil
	LFA300	RCiLZ0055AWZZ	AH			Coil
	LFA301	RCiLZ0055AWZZ	AH			Coil
	LFA400	RCiLZ0054AWZZ	AH			Coil
	LFA402	RCiLZ0040AWZZ	AH			Coil
	LFA403	RCiLZ0040AWZZ	AH			Coil

	NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
	[5] COILS					
	LFA800	RCiLZ0055AWZZ	AH			Coil
	LFA801	RCiLZ0055AWZZ	AH			Coil
	LFA802	RCiLZ0055AWZZ	AH			Coil
	LFA803	RCiLZ0055AWZZ	AH			Coil
	LFA804	RCiLZ0055AWZZ	AH			Coil
	LFA805	RCiLZ0055AWZZ	AH			Coil
	LP111	RCiLZA014AWZZ	AK			100 μ H
	LP131	RCiLZA014AWZZ	AK			100 μ H
	LP191	RCiLZ0040AWZZ	AH			Coil
	LP192	RCiLZ0040AWZZ	AH			Coil
	LP200	VP-NM4R7M0000	AC			4.7 μ H
	LP201	VP-NM4R7M0000	AC			4.7 μ H
	LP600	VP-XH2R2K0000	AB			2.2 μ H,Choke
	LT21	VP-DH2R2K0000	AB			2.2 μ H,Peaking
	LT22	VP-DH2R2K0000	AB			2.2 μ H,Peaking
	[6] VARIABLE RESISTORS					
	VRA100	RVR-M0024AWZZ	AC			4.7 kohms (B),Semi-VR [L-CH Output Offset Adjustment]
	VRA101	RVR-M0024AWZZ	AC			4.7 kohms (B),Semi-VR [R-CH Output Offset Adjustment]
	VRA200	RVR-M0024AWZZ	AC			4.7 kohms (B),Semi-VR [L-CH Output Offset Adjustment]
	VRA201	RVR-M0024AWZZ	AC			4.7 kohms (B),Semi-VR [R-CH Output Offset Adjustment]
	VRA300	RVR-M0024AWZZ	AC			4.7 kohms (B),Semi-VR [R-CH Output Offset Adjustment]
	VRA301	RVR-M0024AWZZ	AC			4.7 kohms (B),Semi-VR [L-CH Output Offset Adjustment]
	[7] VIBRATORS					
	CXA100	RCRSP0021AWZZ	AG			Crystal,11.2896 Hz
	XL101	RCRSP0031AWZZ	AF			Crystal,12.288 MHz
	XL701	RCRM-0053AWZZ	AF			Ceramic,9.83 MHz
	XLP621	RCRSP0029AWZZ	AF			Crystal,8.388 MHz
	XT21	RCRSP0018AWZZ	AG			Crystal,4.332 MHz
	[8] THERMISTOR					
⚠	PS931	RH-QX0017AWZZ	AG			Posistor,1.7 ohms
⚠	PS932	RH-QX0017AWZZ	AG			Posistor,1.7 ohms
⚠	PSA403	RH-QX0022AWZZ	AF			Posistor
⚠	PSA404	RH-QX0022AWZZ	AF			Posistor
⚠	PSA405	RH-QX0022AWZZ	AF			Posistor
⚠	TH901	RH-QX0020AWZZ	AM			Thermistor
	[9] CAPACITORS					
	C14	VCKYCY1EF223Z	AB			0.022 μ F,25V
	C15	VCKYCY1EF223Z	AB			0.022 μ F,25V
	C16	VCKYCY1HB102K	AA			0.001 μ F,50V
	C101	VCKYCY1AF105Z	AB			1 μ F,10V
	C102	VCKYCY1AF105Z	AB			1 μ F,10V
	C103	VCKYCY1AF105Z	AB			1 μ F,10V
	C104	VCKYCY1AF105Z	AB			1 μ F,10V
	C105	VCEAZA1HW225M	AB			2.2 μ F,50V,Electrolytic
	C106	VCKYCY1HB471K	AA			470 pF,50V
	C107	VCKYCY1CB103K	AA			0.01 μ F,16V
	C108	VCKYCY1AB104K	AC			0.1 μ F,10V
	C109	VCCCCY1HH680J	AA			68 pF (CH),50V
	C110	VCKYCY1CF104Z	AB			0.1 μ F,16V
	C111	VCEAZA1HW225M	AB			2.2 μ F,50V,Electrolytic
	C112	VCKYCY1AF105Z	AB			1 μ F,10V
	C113	VCCCCY1HH680J	AA			68 pF (CH),50V
	C114	VCKYCY1AF105Z	AB			1 μ F,10V
	C115	VCKYTV1CF225Z	AC			2.2 μ F,16V
	C116	VCKYCY1AB104K	AC			0.1 μ F,10V
	C117	VCKYCY1AF105Z	AB			1 μ F,10V
	C118	VCKYCY1AF105Z	AB			1 μ F,10V
	C119	VCKYCY1AB104K	AC			0.1 μ F,10V
	C120	VCKYCY1AB104K	AC			0.1 μ F,10V
	C121	VCKYCY1CF104Z	AB			0.1 μ F,16V
	C122	VCKYCY1CF104Z	AB			0.1 μ F,16V
	C123	VCKYCY1HB102K	AA			0.001 μ F,50V
	C124	VCKYCY1AF105Z	AB			1 μ F,10V
	C125	VCCCCY1HH220J	AA			22 pF (CH),50V
	C126	VCCCCY1HH220J	AA			22 pF (CH),50V
	C127	VCKYCY1AF105Z	AB			1 μ F,10V
	C128	VCKYCY1CF104Z	AB			0.1 μ F,16V
	C129	VCKYCY1CF104Z	AB			0.1 μ F,16V
	C137	VCKYCY1AF105Z	AB			1 μ F,10V
	C138	VCKYCY1CF104Z	AB			0.1 μ F,16V
	C139	VCKYCY1CF104Z	AB			0.1 μ F,16V
	C140	VCKYCY1CF104Z	AB			0.1 μ F,16V
	C141	VCKYCY1CF104Z	AB			0.1 μ F,16V
	C142	VCKYCY1CF104Z	AB			0.1 μ F,16V
	C144	VCKYCY1CF104Z	AB			0.1 μ F,16V
	C145	VCKYCY1CF104Z	AB			0.1 μ F,16V
	C146	VCKYCY1CF104Z	AB			0.1 μ F,16V
	C147	VCKYCY1CF104Z	AB			0.1 μ F,16V
	C148	VCEAZA1CW106M	AC			10 μ F,16V,Electrolytic
	C149	VCEAZA1CW106M	AC			10 μ F,16V,Electrolytic

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[9] CAPACITORS					
C150	VCEAZA1CW106M	AC			10 μ F,16V,Electrolytic
C151	VCEAZA1CW106M	AC			10 μ F,16V,Electrolytic
C152	VCEAZA1CW106M	AC			10 μ F,16V,Electrolytic
C153	VCKYCY1CF104Z	AB			0.1 μ F,16V
C154	VCKYCY1CF104Z	AB			0.1 μ F,16V
C155	VCKYCY1CF104Z	AB			0.1 μ F,16V
C156	VCKYCY1CF104Z	AB			0.1 μ F,16V
C160	VCEAZA1CW106M	AC			10 μ F,16V,Electrolytic
C163	VCEAZA1CW107M	AC			100 μ F,16V,Electrolytic
C164	VCEAZA1AW476M	AB			47 μ F,10V,Electrolytic
C166	VCEAZA1AW476M	AB			47 μ F,10V,Electrolytic
C167	VCCCCY1HH181J	AA			180 pF (CH),50V
C170	VCEAZA0JW107M	AC			100 μ F,6.3V,Electrolytic
C171	RC-EZ0004AWZZ	AD			3.3 μ F,16V,Electrolytic
C172	VCKYCY1CF104Z	AB			0.1 μ F,16V
C173	VCKYCY1EF223Z	AB			0.022 μ F,25V
C175	VCCCCY1HH680J	AA			68 pF (CH),50V
C176	VCCCCY1HH680J	AA			68 pF (CH),50V
C180	VCEAZA1CW106M	AC			10 μ F,16V,Electrolytic
C181	VCKYCY1CF104Z	AB			0.1 μ F,16V
C182	VCKYCY1AF105Z	AB			1 μ F,10V
C184	VCCSPA1HL680J	AA			68 pF,50V
C190	VCKYCY1CF104Z	AB			0.1 μ F,16V
C191	VCEAZA1CW106M	AC			10 μ F,16V,Electrolytic
C192	VCKYCY1CF104Z	AB			0.1 μ F,16V
C194	VCKYCY1HB102K	AA			0.001 μ F,50V
C199	VCKYCY1CB103K	AA			0.01 μ F,16V
C401	VCEAZA1CW106M	AC			10 μ F,16V,Electrolytic
C402	VCEAZA1CW106M	AC			10 μ F,16V,Electrolytic
C403	VCEAZA1CW476M	AB			47 μ F,16V,Electrolytic
C413	VCEAZA1CW106M	AC			10 μ F,16V,Electrolytic
C414	VCEAZA1CW106M	AC			10 μ F,16V,Electrolytic
C415	VCCCCY1HH330J	AA			33 pF (CH),50V
C416	VCCCCY1HH330J	AA			33 pF (CH),50V
C421	VCEAZA1CW106M	AC			10 μ F,16V,Electrolytic
C422	VCEAZA1CW106M	AC			10 μ F,16V,Electrolytic
C423	VCKYCY1EF223Z	AB			0.022 μ F,25V
C424	VCKYCY1EF223Z	AB			0.022 μ F,25V
C425	VCEAZA1CW106M	AC			10 μ F,16V,Electrolytic
C426	VCEAZA1CW106M	AC			10 μ F,16V,Electrolytic
C427	VCCCCY1HH330J	AA			33 pF (CH),50V
C428	VCCCCY1HH330J	AA			33 pF (CH),50V
C433	VCEAZA1CW106M	AC			10 μ F,16V,Electrolytic
C434	VCEAZA1CW106M	AC			10 μ F,16V,Electrolytic
C435	VCKYCY1EF223Z	AB			0.022 μ F,25V
C436	VCKYCY1EF223Z	AB			0.022 μ F,25V
C437	VCEAZA1CW106M	AC			10 μ F,16V,Electrolytic
C439	VCCCCY1HH330J	AA			33 pF (CH),50V
C440	VCKYCY1HB102K	AA			0.001 μ F,50V
C446	VCKYCY1EF104Z	AA			0.1 μ F,25V
C450	VCEAZA1EW476M	AB			47 μ F,25V,Electrolytic
C451	VCEAZA1EW476M	AB			47 μ F,25V,Electrolytic
C453	VCEAZA1CW106M	AC			10 μ F,16V,Electrolytic
C454	VCEAZA1CW106M	AC			10 μ F,16V,Electrolytic
C455	VCKYCY1EF223Z	AB			0.022 μ F,25V
C456	VCKYCY1EF223Z	AB			0.022 μ F,25V
C459	VCEAZA1CW106M	AC			10 μ F,16V,Electrolytic
C460	VCEAZA1HW335M	AB			3.3 μ F,50V,Electrolytic
C499	VCKYCY1AF105Z	AB			1 μ F,10V
C500	VCCCCY1HH470J	AA			47 pF (CH),50V
C501	VCCCCY1HH470J	AA			47 pF (CH),50V
C509	VCKYCY1EF223Z	AB			0.022 μ F,25V
C510	VCKYCY1EF223Z	AB			0.022 μ F,25V
C511	VCEAZA1CW476M	AB			47 μ F,16V,Electrolytic
C512	VCEAZA1CW476M	AB			47 μ F,16V,Electrolytic
C513	VCFYFA1HA823J	AB			0.082 μ F,50V
C514	VCFYFA1HA823J	AB			0.082 μ F,50V
C515	VCFYFA1HA823J	AB			0.082 μ F,50V
C516	VCFYFA1HA823J	AB			0.082 μ F,50V
C517	VCKYCY1HB472K	AA			0.0047 μ F,50V
C518	VCKYCY1HB472K	AA			0.0047 μ F,50V
C519	VCEAZA1CW106M	AC			10 μ F,16V,Electrolytic
C520	VCEAZA1CW106M	AC			10 μ F,16V,Electrolytic
C521	VCEAZA1CW106M	AC			10 μ F,16V,Electrolytic
C522	VCEAZA1CW106M	AC			10 μ F,16V,Electrolytic
C523	VCEAZA1CW106M	AC			10 μ F,16V,Electrolytic
C524	VCEAZA1CW106M	AC			10 μ F,16V,Electrolytic
C527	VCEAZA1HW225M	AB			2.2 μ F,50V,Electrolytic
C528	VCEAZA1HW225M	AB			2.2 μ F,50V,Electrolytic
C529	VCEAZA1HW225M	AB			2.2 μ F,50V,Electrolytic
C530	VCEAZA1HW225M	AB			2.2 μ F,50V,Electrolytic
C531	VCEAZA1HW225M	AB			2.2 μ F,50V,Electrolytic
C532	VCEAZA1HW225M	AB			2.2 μ F,50V,Electrolytic
C533	VCKYCY1HB153K	AA			0.015 μ F,50V
C534	VCKYCY1HB153K	AA			0.015 μ F,50V

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[9] CAPACITORS					
C535	VCKYCY1HB153K	AA			0.015 μ F,50V
C536	VCKYCY1HB153K	AA			0.015 μ F,50V
C537	VCKYCY1HB153K	AA			0.015 μ F,50V
C538	VCKYCY1HB153K	AA			0.015 μ F,50V
C539	VCEAZA1CW476M	AB			47 μ F,16V,Electrolytic
C540	VCEAZA1CW476M	AB			47 μ F,16V,Electrolytic
C560	VCKYCY1EF223Z	AB			0.022 μ F,25V
C561	VCKYCY1EB103K	AA			0.01 μ F,25V
C578	VCKYCY1EF223Z	AB			0.022 μ F,25V
C582	VCKYCY1EF223Z	AB			0.022 μ F,25V
C583	VCEAZA1CW226M	AC			22 μ F,16V,Electrolytic
C584	VCEAZA1CW226M	AC			22 μ F,16V,Electrolytic
C585	VCEAZA1CW107M	AC			100 μ F,16V,Electrolytic
C586	VCEAZA1CW107M	AC			100 μ F,16V,Electrolytic
C587	VCKYCY1EF223Z	AB			0.022 μ F,25V
C588	VCKYCY1EF223Z	AB			0.022 μ F,25V
C590	VCKYPA1HB102K	AA			0.001 μ F,50V
C594	VCKYCY1EB103K	AA			0.01 μ F,25V
C595	VCEAZA1CW476M	AB			47 μ F,16V,Electrolytic
C596	VCEAZA1CW476M	AB			47 μ F,16V,Electrolytic
C597	VCKYCY1EF223Z	AB			0.022 μ F,25V
C598	VCEAZA1CW107M	AC			100 μ F,16V,Electrolytic
C601	VCEAZA1CW107M	AC			100 μ F,16V,Electrolytic
C602	VCEAZA1CW226M	AC			22 μ F,16V,Electrolytic
C603	VCEAZA1CW226M	AC			22 μ F,16V,Electrolytic
C604	VCEAZA1HW105M	AB			1 μ F,50V,Electrolytic
C605	VCKYCY1EF223Z	AB			0.022 μ F,25V
C606	VCKYCY1EF473Z	AB			0.047 μ F,25V
C607	VCEAZA1CW107M	AC			100 μ F,16V,Electrolytic
C608	VCEAZA1CW107M	AC			100 μ F,16V,Electrolytic
C621	VCEAZA1CW226M	AC			22 μ F,16V,Electrolytic
C625	VCCCCY1HH101J	AA			100 pF (CH),50V
C628	VCEAZA1HW105M	AB			1 μ F,50V,Electrolytic
C629	VCKYCY1EF223Z	AB			0.022 μ F,25V
C630	VCKYCY1EF473Z	AB			0.047 μ F,25V
C631	VCEAZA1CW107M	AC			100 μ F,16V,Electrolytic
C633	VCEAZA1CW106M	AC			10 μ F,16V,Electrolytic
C634	VCEAZA1CW106M	AC			10 μ F,16V,Electrolytic
C637	VCCCCY1HH330J	AA			33 pF (CH),50V
C638	VCCCCY1HH330J	AA			33 pF (CH),50V
C639	VCEAZA1CW107M	AC			100 μ F,16V,Electrolytic
C640	VCEAZA1CW107M	AC			100 μ F,16V,Electrolytic
C641	VCKYCY1EF223Z	AB			0.022 μ F,25V
C642	VCKYCY1EF223Z	AB			0.022 μ F,25V
C663	VCCCCY1HH101J	AA			100 pF (CH),50V
C664	VCCCCY1HH101J	AA			100 pF (CH),50V
C665	VCEAZA1CW227M	AC			220 μ F,16V,Electrolytic
C666	VCEAZA1CW227M	AC			220 μ F,16V,Electrolytic
C696	VCEAZA1CW107M	AC			100 μ F,16V,Electrolytic
C702	VCCCCY1HH151J	AA			150 pF (CH),50V
C703	VCEAZA1CW107M	AC			100 μ F,16V,Electrolytic
C704	VCCCCY1HH101J	AA			100 pF (CH),50V
C705	VCCCCY1HH101J	AA			100 pF (CH),50V
C706	VCCCCY1HH101J	AA			100 pF (CH),50V
C707	VCCCCY1HH101J	AA			100 pF (CH),50V
C708	VCCCCY1HH101J	AA			100 pF (CH),50V
C709	VCCCCY1HH101J	AA			100 pF (CH),50V
C710	VCCCCY1HH101J	AA			100 pF (CH),50V
C711	VCCCCY1HH101J	AA			100 pF (CH),50V
C712	VCCCCY1HH101J	AA			100 pF (CH),50V
C713	VCKYCY1CF104Z	AB			0.1 μ F,16V
C714	VCEAZA1CW107M	AC			100 μ F,16V,Electrolytic
C715	VCKYCY1AF105Z	AB			1 μ F,10V
C716	VCKYCY1AF105Z	AB			1 μ F,10V
C717	VCKYCY1AF105Z	AB			1 μ F,10V
C718	VCCCCY1HH101J	AA			100 pF (CH),50V
C719	VCCCCY1HH101J	AA			100 pF (CH),50V
C721	VCCCCY1HH101J	AA			100 pF (CH),50V
C722	VCCCCY1HH101J	AA			100 pF (CH),50V
C723	VCEAZA1AW477M	AC			470 μ F,10V,Electrolytic
C724	VCEAZA1AW477M	AC			470 μ F,10V,Electrolytic
C725	VCKYCY1CF104Z	AB			0.1 μ F,16V
C726	VCKYCY1CF104Z	AB			0.1 μ F,16V
C727	VCKYCY1CF104Z	AB			0.1 μ F,16V
C728	VCEAZA1HW106M	AB			10 μ F,50V,Electrolytic
C729	VCEAZA1HW475M	AB			4.7 μ F,50V,Electrolytic
C730	VCKYPA1HB103K	AA			0.01 μ F,50V
C750	VCKYCY1AF105Z	AB			1 μ F,10V
C764	VCKYCY1CF104Z	AB			0.1 μ F,16V
C765	VCEAZA1AW476M	AB			47 μ F,10V,Electrolytic
C766	VCKYCY1AF105Z	AB			1 μ F,10V
C798	VCEAZA1CW106M	AC			10 μ F,16V,Electrolytic
C799	VCKYCY1AF105Z	AB			1 μ F,10V
C842	VCKYCY1HB103K	AA			0.01 μ F,50V
C844	VCKYCY1HB103K	AA			0.01 μ F,50V

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[9] CAPACITORS					
C846	VCKYCY1HB103K	AA			0.01 μ F,50V
C847	VCKYCY1HB103K	AA			0.01 μ F,50V
C848	VCKYCY1HB103K	AA			0.01 μ F,50V
C869	VCKYPA1HB222K	AA			0.0022 μ F,50V
C871	VCKYPA1HB103K	AA			0.01 μ F,50V
C872	VCKYPA1HB222K	AA			0.0022 μ F,50V
C873	VCKYCY1HB102K	AA			0.001 μ F,50V
C874	VCKYCY1HB102K	AA			0.001 μ F,50V
C875	VCKYCY1HB102K	AA			0.001 μ F,50V
C876	VCKYCY1HB102K	AA			0.001 μ F,50V
C877	VCKYCY1HB102K	AA			0.001 μ F,50V
C878	VCKYCY1HB102K	AA			0.001 μ F,50V
C881	VCKYCY1HB103K	AA			0.01 μ F,50V
C882	VCKYCY1HB103K	AA			0.01 μ F,50V
C883	VCKYCY1HB103K	AA			0.01 μ F,50V
C884	VCKYCY1HB103K	AA			0.01 μ F,50V
C885	VCKYCY1HB103K	AA			0.01 μ F,50V
C887	VCKYCY1HB103K	AA			0.01 μ F,50V
C888	VCKYCY1HB103K	AA			0.01 μ F,50V
C899	VCKYPA1HB103K	AA			0.01 μ F,50V
⚠ C901	RC-QZ0034AWZZ	AE			0.33 μ F,250V,Electrolytic
⚠ C902	RC-QZ0030AWZZ	AD			0.1 μ F,250V
⚠ C903	RC-KZ0089GEZZ	AC			0.001 μ F,250V,Ceramic
⚠ C904	RC-KZ0089GEZZ	AC			0.001 μ F,250V,Ceramic
⚠ C905	RC-KZ0105GEZZ	AE			0.0022 μ F,250V,Ceramic
⚠ C906	RC-KZ007LAWZZ	AD			0.0022 μ F,250V
⚠ C907	RC-KZ007LAWZZ	AD			0.0022 μ F,250V
⚠ C908	RC-KZ007LAWZZ	AD			0.0022 μ F,250V
⚠ C909	RC-KZ007LAWZZ	AD			0.0022 μ F,250V
⚠ C911	RC-EZ0129AWZZ	AT			220 μ F,400V,Electrolytic
⚠ C912	RC-QZ0031AWZZ	AE			0.0033 μ F,630V
⚠ C913	RC-KZ001LAWZZ	AB			0.0047 μ F,250VAC,Ceramic
⚠ C914	RC-KZ001LAWZZ	AB			0.0047 μ F,250VAC,Ceramic
⚠ C915	RC-KZ0011AWZZ	AE			680 pF,3.15 kV
⚠ C916	VCKYCY1HB221K	AA			220 pF,50V
⚠ C917	VCKYCY1HB152K	AA			0.0015 μ F,50V
⚠ C918	VCEA4U1HN475M	AC			4.7 μ F,50V,Electrolytic
⚠ C919	RC-EZ0099AWZZ	AC			33 μ F,35V,Electrolytic
⚠ C920	VCKYPA1HB152K	AA			0.0015 μ F,50V
⚠ C921	VCKYCY1HB103K	AA			0.01 μ F,50V
⚠ C922	RC-QZ0030AWZZ	AD			0.1 μ F,250V
⚠ C930	RC-QZ0028AWZZ	AE			0.0047 μ F,630V
C932	RC-EZ0120AWZZ	AL			2200 μ F,50V,Electrolytic
C933	RC-EZ0120AWZZ	AL			2200 μ F,50V,Electrolytic
C938	RC-EZ0097AWZZ	AF			1000 μ F,25V,Electrolytic
C939	VCCCCY1HH331J	AA			330 pF (CH),50V
C940	RC-EZ0123AWZZ	AK			2200 μ F,50V,Electrolytic
C941	RC-EZ0097AWZZ	AF			1000 μ F,25V,Electrolytic
C942	RC-EZ0097AWZZ	AF			1000 μ F,25V,Electrolytic
C945	RC-EZ0097AWZZ	AF			1000 μ F,25V,Electrolytic
C946	VCQYKA1HM473K	AB			0.047 μ F,50V,Mylar
C950	VCKYPA1HB102K	AA			0.001 μ F,50V
⚠ C951	VCQYTA2AA332J	AB			0.0033 μ F,100V,Mylar
⚠ C952	VCQYTA2AA332J	AB			0.0033 μ F,100V,Mylar
C953	VCEAZA1HW105M	AB			1 μ F,50V,Electrolytic
C954	VCQYKA1HM473K	AB			0.047 μ F,50V,Mylar
C955	VCQYKA1HM473K	AB			0.047 μ F,50V,Mylar
C956	VCEAZA1HW105M	AB			1 μ F,50V,Electrolytic
C957	VCQYKA1HM473K	AB			0.047 μ F,50V,Mylar
C958	VCQYKA1HM473K	AB			0.047 μ F,50V,Mylar
C961	VCEAZA1HW105M	AB			1 μ F,50V,Electrolytic
⚠ C962	VCQYTA2AA332J	AB			0.0033 μ F,100V,Mylar
C963	VCEAZA1HW105M	AB			1 μ F,50V,Electrolytic
C965	VCKYTV1HB473K	AA			0.047 μ F,50V
C966	VCKYTV1HB473K	AA			0.047 μ F,50V
C967	VCEAZA1EW477M	AD			470 μ F,25V,Electrolytic
C968	VCEAZA1HW105M	AB			1 μ F,50V,Electrolytic
C969	VCQYKA1HM473K	AB			0.047 μ F,50V,Mylar
C970	VCQYKA1HM473K	AB			0.047 μ F,50V,Mylar
C971	VCEAZA1EW107M	AB			100 μ F,25V,Electrolytic
C984	VCQYKA1HM104K	AB			0.1 μ F,50V,Mylar
C988	VCEAZA1AW477M	AC			470 μ F,10V,Electrolytic
C995	VCEAZA1HW105M	AB			1 μ F,50V,Electrolytic
C997	VCEAZA1HW105M	AB			1 μ F,50V,Electrolytic
C998	VCKYCY1HB222K	AA			0.0022 μ F,50V
⚠ C999	VCQYTA2AA332J	AB			0.0033 μ F,100V,Mylar
CA100	VCEAZA1CW106M	AC			10 μ F,16V,Electrolytic
CA101	VCEAZA1CW106M	AC			10 μ F,16V,Electrolytic
CA102	RC-EZ0004AWZZ	AD			3.3 μ F,16V,Electrolytic
CA103	RC-EZ0004AWZZ	AD			3.3 μ F,16V,Electrolytic
CA104	VCKYCY1HB102K	AA			0.001 μ F,50V
CA105	VCKYCY1HB102K	AA			0.001 μ F,50V
CA110	VCCCCY1HH101J	AA			100 pF (CH),50V

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[9] CAPACITORS					
CA114	VCKYCY1HB102K	AA			0.001 μ F,50V
CA115	VCKYCY1HB102K	AA			0.001 μ F,50V
CA116	VCKYCY1HB102K	AA			0.001 μ F,50V
CA117	VCKYCY1HB102K	AA			0.001 μ F,50V
CA123	VCCCCY1HH180J	AA			18 pF (CH),50V
CA124	VCCCCY1HH180J	AA			18 pF (CH),50V
CA130	VCKYCY1HB102K	AA			0.001 μ F,50V
CA131	VCKYCY1EF104Z	AA			0.1 μ F,25V
CA132	VCEAZA1AW476M	AB			47 μ F,10V,Electrolytic
CA133	VCKYCY1HB102K	AA			0.001 μ F,50V
CA134	VCKYCY1EF104Z	AA			0.1 μ F,25V
CA135	VCKYCY1EF104Z	AA			0.1 μ F,25V
CA137	VCKYCY1HB102K	AA			0.001 μ F,50V
CA138	VCKYCY1EF104Z	AA			0.1 μ F,25V
CA141	VCKYCY1EF104Z	AA			0.1 μ F,25V
CA142	VCKYCY1EF104Z	AA			0.1 μ F,25V
CA143	VCKYCY1EF104Z	AA			0.1 μ F,25V
CA144	VCKYCY1EF104Z	AA			0.1 μ F,25V
CA145	VCKYTV1HB334K	AC			0.33 μ F,50V
CA146	VCKYTV1HB334K	AC			0.33 μ F,50V
CA149	VCEAZA1CW107M	AC			100 μ F,16V,Electrolytic
CA150	VCEAZA1CW107M	AC			100 μ F,16V,Electrolytic
CA151	VCKYCY1EF104Z	AA			0.1 μ F,25V
CA152	VCKYCY1EF104Z	AA			0.1 μ F,25V
CA153	VCEAZA1CW107M	AC			100 μ F,16V,Electrolytic
CA154	VCEAZA1CW107M	AC			100 μ F,16V,Electrolytic
CA155	VCKYCY1EF104Z	AA			0.1 μ F,25V
CA156	VCKYCY1EF104Z	AA			0.1 μ F,25V
CA159	VCKYTV1HB334K	AC			0.33 μ F,50V
CA160	VCKYTV1HB334K	AC			0.33 μ F,50V
CA165	RC-KZ3002AWZZ	AC			1 μ F,50V,Electrolytic
CA166	RC-KZ3002AWZZ	AC			1 μ F,50V,Electrolytic
CA175	RC-KZ3002AWZZ	AC			1 μ F,50V,Electrolytic
CA178	RC-KZ3002AWZZ	AC			1 μ F,50V,Electrolytic
CA179	VCFYFA1HA155J	AF			1.5 μ F,50V,Thin Film
CA180	VCFYFA1HA155J	AF			1.5 μ F,50V,Thin Film
CA181	VCFYFA1HA155J	AF			1.5 μ F,50V,Thin Film
CA182	VCFYFA1HA155J	AF			1.5 μ F,50V,Thin Film
CA183	VCKYCY1HB103K	AA			0.01 μ F,50V
CA184	VCKYCY1HB103K	AA			0.01 μ F,50V
CA185	VCKYCY1HB103K	AA			0.01 μ F,50V
CA186	VCKYCY1HB103K	AA			0.01 μ F,50V
CA187	VCFYFA1HA224J	AC			0.22 μ F,50V,Thin Film
CA188	VCFYFA1HA224J	AC			0.22 μ F,50V,Thin Film
CA189	VCCCCY1HH7R0D	AA			7 pF (CH),50V
CA192	VCKYCY1HB102K	AA			0.001 μ F,50V
CA193	VCKYCY1HB102K	AA			0.001 μ F,50V
CA194	VCEAZA1HW476M	AB			47 μ F,50V,Electrolytic
CA195	VCEAZA1HW476M	AB			47 μ F,50V,Electrolytic
CA196	VCFYFA1HA224J	AC			0.22 μ F,50V,Thin Film
CA197	VCFYFA1HA224J	AC			0.22 μ F,50V,Thin Film
CA199	VCEAZA1AW476M	AB			47 μ F,10V,Electrolytic
CA200	VCEAZA1CW106M	AC			10 μ F,16V,Electrolytic
CA201	VCEAZA1CW106M	AC			10 μ F,16V,Electrolytic
CA202	VCEAZA1CW106M	AC			10 μ F,16V,Electrolytic
CA203	VCEAZA1CW106M	AC			10 μ F,16V,Electrolytic
CA204	VCKYCY1HB102K	AA			0.001 μ F,50V
CA205	VCKYCY1HB102K	AA			0.001 μ F,50V
CA210	VCCCCY1HH101J	AA			100 pF (CH),50V
CA214	VCKYCY1HB102K	AA			0.001 μ F,50V
CA215	VCKYCY1HB102K	AA			0.001 μ F,50V
CA216	VCKYCY1HB102K	AA			0.001 μ F,50V
CA217	VCKYCY1HB102K	AA			0.001 μ F,50V
CA230	VCKYCY1HB102K	AA			0.001 μ F,50V
CA231	VCKYCY1EF104Z	AA			0.1 μ F,25V
CA232	VCEAZA1AW476M	AB			47 μ F,10V,Electrolytic
CA233	VCKYCY1HB102K	AA			0.001 μ F,50V
CA234	VCKYCY1EF104Z	AA			0.1 μ F,25V
CA235	VCKYCY1EF104Z	AA			0.1 μ F,25V
CA237	VCKYCY1HB102K	AA			0.001 μ F,50V
CA238	VCKYCY1EF104Z	AA			0.1 μ F,25V
CA241	VCKYCY1EF104Z	AA			0.1 μ F,25V
CA242	VCKYCY1EF104Z	AA			0.1 μ F,25V
CA243	VCKYCY1EF104Z	AA			0.1 μ F,25V
CA244	VCKYCY1EF104Z	AA			0.1 μ F,25V
CA245	VCKYTV1HB334K	AC			0.33 μ F,50V
CA246	VCKYTV1HB334K	AC			0.33 μ F,50V
CA249	VCEAZA1CW107M	AC			100 μ F,16V,Electrolytic
CA250	VCEAZA1CW107M	AC			100 μ F,16V,Electrolytic
CA251	VCKYCY1EF104Z	AA			0.1 μ F,25V
CA252	VCKYCY1EF104Z	AA			0.1 μ F,25V
CA253	VCEAZA1CW107M	AC			100 μ F,16V,Electrolytic
CA254	VCEAZA1CW107M	AC			100 μ F,16V,Electrolytic
CA255	VCKYCY1EF104Z	AA			0.1 μ F,25V
CA256	VCKYCY1EF104Z	AA			0.1 μ F,25V

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[9] CAPACITORS					
CA259	VCKYTV1HB334K	AC			0.33 μ F,50V
CA260	VCKYTV1HB334K	AC			0.33 μ F,50V
CA265	RC-KZ3002AWZZ	AC			1 μ F,50V,Electrolytic
CA266	RC-KZ3002AWZZ	AC			1 μ F,50V,Electrolytic
CA275	RC-KZ3002AWZZ	AC			1 μ F,50V,Electrolytic
CA278	RC-KZ3002AWZZ	AC			1 μ F,50V,Electrolytic
CA279	VCFYFA1HA155J	AF			1.5 μ F,50V,Thin Film
CA280	VCFYFA1HA155J	AF			1.5 μ F,50V,Thin Film
CA281	VCFYFA1HA155J	AF			1.5 μ F,50V,Thin Film
CA282	VCFYFA1HA155J	AF			1.5 μ F,50V,Thin Film
CA283	VCKYCY1HB103K	AA			0.01 μ F,50V
CA284	VCKYCY1HB103K	AA			0.01 μ F,50V
CA285	VCKYCY1HB103K	AA			0.01 μ F,50V
CA286	VCKYCY1HB103K	AA			0.01 μ F,50V
CA287	VCFYFA1HA224J	AC			0.22 μ F,50V,Thin Film
CA288	VCFYFA1HA224J	AC			0.22 μ F,50V,Thin Film
CA292	VCKYCY1HB102K	AA			0.001 μ F,50V
CA293	VCKYCY1HB102K	AA			0.001 μ F,50V
CA294	VCEAZA1HW476M	AB			47 μ F,50V,Electrolytic
CA295	VCEAZA1HW476M	AB			47 μ F,50V,Electrolytic
CA296	VCFYFA1HA224J	AC			0.22 μ F,50V,Thin Film
CA297	VCFYFA1HA224J	AC			0.22 μ F,50V,Thin Film
CA299	VCEAZA1AW476M	AB			47 μ F,10V,Electrolytic
CA300	VCEAZA1CW106M	AC			10 μ F,16V,Electrolytic
CA301	VCEAZA1CW106M	AC			10 μ F,16V,Electrolytic
CA302	RC-EZ0004AWZZ	AD			3.3 μ F,16V,Electrolytic
CA303	RC-EZ0004AWZZ	AD			3.3 μ F,16V,Electrolytic
CA304	VCKYCY1HB102K	AA			0.001 μ F,50V
CA305	VCKYCY1HB102K	AA			0.001 μ F,50V
CA310	VCCCCY1HH101J	AA			100 pF (CH),50V
CA314	VCKYCY1HB102K	AA			0.001 μ F,50V
CA315	VCKYCY1HB102K	AA			0.001 μ F,50V
CA316	VCKYCY1HB102K	AA			0.001 μ F,50V
CA317	VCKYCY1HB102K	AA			0.001 μ F,50V
CA330	VCKYCY1HB102K	AA			0.001 μ F,50V
CA331	VCKYCY1EF104Z	AA			0.1 μ F,25V
CA332	VCEAZA1AW476M	AB			47 μ F,10V,Electrolytic
CA333	VCKYCY1HB102K	AA			0.001 μ F,50V
CA334	VCKYCY1EF104Z	AA			0.1 μ F,25V
CA335	VCKYCY1EF104Z	AA			0.1 μ F,25V
CA337	VCKYCY1HB102K	AA			0.001 μ F,50V
CA338	VCKYCY1EF104Z	AA			0.1 μ F,25V
CA341	VCKYCY1EF104Z	AA			0.1 μ F,25V
CA342	VCKYCY1EF104Z	AA			0.1 μ F,25V
CA343	VCKYCY1EF104Z	AA			0.1 μ F,25V
CA344	VCKYCY1EF104Z	AA			0.1 μ F,25V
CA345	VCKYTV1HB334K	AC			0.33 μ F,50V
CA346	VCKYTV1HB334K	AC			0.33 μ F,50V
CA349	VCEAZA1CW107M	AC			100 μ F,16V,Electrolytic
CA350	VCEAZA1CW107M	AC			100 μ F,16V,Electrolytic
CA351	VCKYCY1EF104Z	AA			0.1 μ F,25V
CA352	VCKYCY1EF104Z	AA			0.1 μ F,25V
CA353	VCEAZA1CW107M	AC			100 μ F,16V,Electrolytic
CA354	VCEAZA1CW107M	AC			100 μ F,16V,Electrolytic
CA355	VCKYCY1EF104Z	AA			0.1 μ F,25V
CA356	VCKYCY1EF104Z	AA			0.1 μ F,25V
CA359	VCKYTV1HB334K	AC			0.33 μ F,50V
CA360	VCKYTV1HB334K	AC			0.33 μ F,50V
CA365	RC-KZ3002AWZZ	AC			1 μ F,50V,Electrolytic
CA366	RC-KZ3002AWZZ	AC			1 μ F,50V,Electrolytic
CA375	RC-KZ3002AWZZ	AC			1 μ F,50V,Electrolytic
CA378	RC-KZ3002AWZZ	AC			1 μ F,50V,Electrolytic
CA379	VCFYFA1HA155J	AF			1.5 μ F,50V,Thin Film
CA380	VCFYFA1HA155J	AF			1.5 μ F,50V,Thin Film
CA381	VCFYFA1HA155J	AF			1.5 μ F,50V,Thin Film
CA382	VCFYFA1HA155J	AF			1.5 μ F,50V,Thin Film
CA383	VCKYCY1HB103K	AA			0.01 μ F,50V
CA384	VCKYCY1HB103K	AA			0.01 μ F,50V
CA385	VCKYCY1HB103K	AA			0.01 μ F,50V
CA386	VCKYCY1HB103K	AA			0.01 μ F,50V
CA387	VCFYFA1HA224J	AC			0.22 μ F,50V,Thin Film
CA388	VCFYFA1HA224J	AC			0.22 μ F,50V,Thin Film
CA392	VCKYCY1HB102K	AA			0.001 μ F,50V
CA393	VCKYCY1HB102K	AA			0.001 μ F,50V
CA394	VCEAZA1HW476M	AB			47 μ F,50V,Electrolytic
CA395	VCEAZA1HW476M	AB			47 μ F,50V,Electrolytic
CA396	VCFYFA1HA224J	AC			0.22 μ F,50V,Thin Film
CA397	VCFYFA1HA224J	AC			0.22 μ F,50V,Thin Film
CA399	VCEAZA1AW476M	AB			47 μ F,10V,Electrolytic
CA402	VCKYCY1HB102K	AA			0.001 μ F,50V
CA406	VCEAZA1EW476M	AB			47 μ F,25V,Electrolytic
CA409	VCKYCY1EF104Z	AA			0.1 μ F,25V
CA410	VCEAZA1EW476M	AB			47 μ F,25V,Electrolytic
CA411	VCKYCY1EF104Z	AA			0.1 μ F,25V
CA412	VCEAZA1EW476M	AB			47 μ F,25V,Electrolytic

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[9] CAPACITORS					
CA413	VCKYCY1EF104Z	AA			0.1 μ F,25V
CA414	VCEAZA1CW106M	AC			10 μ F,16V,Electrolytic
CA415	VCKYCY1HB102K	AA			0.001 μ F,50V
CA416	VCKYCY1HB222K	AA			0.0022 μ F,50V
CA418	VCKYCY1CB103K	AA			0.01 μ F,16V
CA419	VCKYCY1EF473Z	AB			0.047 μ F,25V
CA420	VCEAZA1CW107M	AC			100 μ F,16V,Electrolytic
CA421	VCKYCY1EF104Z	AA			0.1 μ F,25V
CA422	VCKYCY1EF104Z	AA			0.1 μ F,25V
CA444	VCKYCY1EF104Z	AA			0.1 μ F,25V
CA460	VCKYCY1EF104Z	AA			0.1 μ F,25V
CA461	VCKYCY1EF104Z	AA			0.1 μ F,25V
CA470	VCKYCY1EF104Z	AA			0.1 μ F,25V
CD100	VCEAZA1CW106M	AC			10 μ F,16V,Electrolytic
CD103	VCKYCY1CF104Z	AB			0.1 μ F,16V
CD104	VCEAZA1HW475M	AB			4.7 μ F,50V,Electrolytic
CD105	VCKYCY1CB103K	AA			0.01 μ F,16V
CD107	VCKYCY1CF104Z	AB			0.1 μ F,16V
CD108	VCKYCY1AF105Z	AB			1 μ F,10V
CD109	VCKYCY1CF104Z	AB			0.1 μ F,16V
CD110	VCKYCY1CF104Z	AB			0.1 μ F,16V
CD111	VCKYCY1AF105Z	AB			1 μ F,10V
CD112	VCKYCY1CF104Z	AB			0.1 μ F,16V
CD113	VCKYCY1CB103K	AA			0.01 μ F,16V
CD132	VCKYCY1HB102K	AA			0.001 μ F,50V
CD133	VCKYCY1HB102K	AA			0.001 μ F,50V
CD134	VCCCCY1HH101J	AA			100 pF (CH),50V
CD135	VCCCCY1HH101J	AA			100 pF (CH),50V
CD136	VCCCCY1HH101J	AA			100 pF (CH),50V
CD137	VCCCCY1HH101J	AA			100 pF (CH),50V
CD138	VCKYCY1HB102K	AA			0.001 μ F,50V
CD140	VCKYCY1HB102K	AA			0.001 μ F,50V
CD142	VCKYCY1HB102K	AA			0.001 μ F,50V
CD143	VCKYCY1EF223Z	AB			0.022 μ F,25V
CG100	VCCCCY1HH470J	AA			47 pF (CH),50V
CG101	VCCCCY1HH470J	AA			47 pF (CH),50V
CG102	VCKYCY1HB102K	AA			0.001 μ F,50V
CG103	VCKYCY1HB102K	AA			0.001 μ F,50V
CG104	VCKYCY1HB102K	AA			0.001 μ F,50V
CG105	VCKYCY1HB102K	AA			0.001 μ F,50V
CG106	VCEAZA1HW105M	AB			1 μ F,50V,Electrolytic
CG107	VCEAZA1HW105M	AB			1 μ F,50V,Electrolytic
CG108	VCEAZA1HW105M	AB			1 μ F,50V,Electrolytic
CG109	VCEAZA1HW105M	AB			1 μ F,50V,Electrolytic
CG110	VCKYCY1EB822K	AA			0.0082 μ F,25V
CG111	VCKYCY1EB822K	AA			0.0082 μ F,25V
CG112	VCKYCY1HB103K	AA			0.01 μ F,50V
CG113	VCEAZA1HW225M	AB			2.2 μ F,50V,Electrolytic
CG114	VCEAZA1HW225M	AB			2.2 μ F,50V,Electrolytic
CG116	VCEAZA1CW106M	AC			10 μ F,16V,Electrolytic
CG117	VCEAZA1CW106M	AC			10 μ F,16V,Electrolytic
CG120	VCEAZA1CW106M	AC			10 μ F,16V,Electrolytic
CG121	VCEAZA1CW106M	AC			10 μ F,16V,Electrolytic
CG124	VCKYCY1EF223Z	AB			0.022 μ F,25V
CG125	VCKYCY1EF223Z	AB			0.022 μ F,25V
CG126	VCEAZA1CW476M	AB			47 μ F,16V,Electrolytic
CG127	VCEAZA1CW476M	AB			47 μ F,16V,Electrolytic
CG130	VCEAZA1CW106M	AC			10 μ F,16V,Electrolytic
CG131	VCEAZA1CW106M	AC			10 μ F,16V,Electrolytic
CG132	VCCCCY1HH101J	AA			100 pF (CH),50V
CG133	VCCCCY1HH101J	AA			100 pF (CH),50V
CG134	VCKYCY1CF104Z	AB			0.1 μ F,16V
CG135	VCCCCY1HH101J	AA			100 pF (CH),50V
CG136	VCEAZA1CW106M	AC			10 μ F,16V,Electrolytic
CG137	VCEAZA1CW106M	AC			10 μ F,16V,Electrolytic
CG138	VCEAZA1CW476M	AB			47 μ F,16V,Electrolytic
CG139	VCKYCY1CF104Z	AB			0.1 μ F,16V
CG140	VCCCCY1HH101J	AA			100 pF (CH),50V
CG141	VCEAZA1CW476M	AB			47 μ F,16V,Electrolytic
CG142	VCCCCY1HH680J	AA			68 pF (CH),50V
CG143	VCCCCY1HH680J	AA			68 pF (CH),50V
CG145	VCKYCY1HB102K	AA			0.001 μ F,50V
CG149	VCCCCY1HH680J	AA			68 pF (CH),50V
CP100	VCKYCY1EF104Z	AA			0.1 μ F,25V
CP101	RC-EZY226AF1C	AB			22 μ F,16V,Electrolytic
CP102	RC-EZY106AF1C	AB			10 μ F,16V,Electrolytic
CP103	VCKYCY1EF104Z	AA			0.1 μ F,25V
CP111	VCKYCY1EF104Z	AA			0.1 μ F,25V
CP112	RC-EZ3022AWZZ	AC			470 μ F,10V,Electrolytic
CP113	VCKYCY1EF104Z	AA			0.1 μ F,25V
CP114	VCKYCY1EF104Z	AA			0.1 μ F,25V
CP115	RC-EZY227AF1C	AC			220 μ F,16V,Electrolytic
CP131	VCKYCY1EF104Z	AA			0.1 μ F,25V
CP132	RC-EZ3022AWZZ	AC			470 μ F,10V,Electrolytic
CP133	VCKYCY1EF104Z	AA			0.1 μ F,25V

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[9] CAPACITORS					
CP134	VCKYCY1EF104Z	AA			0.1 μ F,25V
CP135	RC-EZY227AF1C	AC			220 μ F,16V,Electrolytic
CP151	RC-EZY106AF1C	AB			10 μ F,16V,Electrolytic
CP152	VCKYCY1EF104Z	AA			0.1 μ F,25V
CP153	VCKYCY1EF104Z	AA			0.1 μ F,25V
CP154	RC-EZY106AF1C	AB			10 μ F,16V,Electrolytic
CP164	RC-EZY476AF1C	AB			47 μ F,16V,Electrolytic
CP171	VCKYCY1EF104Z	AA			0.1 μ F,25V
CP172	RC-EZY476AF1C	AB			47 μ F,16V,Electrolytic
CP173	RC-EZY476AF1C	AB			47 μ F,16V,Electrolytic
CP174	VCKYCY1EF104Z	AA			0.1 μ F,25V
CP191	RC-EZ3023AWZZ	AC			220 μ F,35V,Electrolytic
CP192	VCKYCY1EF104Z	AA			0.1 μ F,25V
CP193	RC-EZ3023AWZZ	AC			220 μ F,35V,Electrolytic
CP194	VCKYCY1EF104Z	AA			0.1 μ F,25V
CP200	VCKYCY1EF104Z	AA			0.1 μ F,25V
CP201	RC-EZY476AF1A	AB			47 μ F,10V,Electrolytic
CP202	VCKYCY1HB103K	AA			0.01 μ F,50V
CP204	RC-EZY105AF1H	AB			1 μ F,50V,Electrolytic
CP205	RC-EZY226AF1A	AB			22 μ F,10V,Electrolytic
CP206	RC-EZY105AF1H	AB			1 μ F,50V,Electrolytic
CP207	RC-EZY105AF1H	AB			1 μ F,50V,Electrolytic
CP208	RC-EZY105AF1H	AB			1 μ F,50V,Electrolytic
CP209	VCKYCY1EF104Z	AA			0.1 μ F,25V
CP210	RC-EZY476AF1A	AB			47 μ F,10V,Electrolytic
CP211	VCKYCY1EF104Z	AA			0.1 μ F,25V
CP212	VCEAZA1AW107M	AB			100 μ F,10V,Electrolytic
CP213	RC-EZY226AF1A	AB			22 μ F,10V,Electrolytic
CP214	VCEAZA1AW107M	AB			100 μ F,10V,Electrolytic
CP215	RC-EZY226AF1A	AB			22 μ F,10V,Electrolytic
CP216	VCEAZA1AW107M	AB			100 μ F,10V,Electrolytic
CP217	RC-EZY226AF1A	AB			22 μ F,10V,Electrolytic
CP218	VCEAZA1AW107M	AB			100 μ F,10V,Electrolytic
CP219	RC-EZY226AF1A	AB			22 μ F,10V,Electrolytic
CP220	VCEAZA1AW107M	AB			100 μ F,10V,Electrolytic
CP221	RC-EZY226AF1A	AB			22 μ F,10V,Electrolytic
CP222	VCCCCY1HH101J	AA			100 pF (CH),50V
CP223	VCCCCY1HH101J	AA			100 pF (CH),50V
CP224	VCCCCY1HH101J	AA			100 pF (CH),50V
CP225	VCKYCY1HB103K	AA			0.01 μ F,50V
CP226	VCCCCY1HH101J	AA			100 pF (CH),50V
CP227	VCCCCY1HH101J	AA			100 pF (CH),50V
CP228	VCCCCY1HH101J	AA			100 pF (CH),50V
CP229	VCKYCY1HB103K	AA			0.01 μ F,50V
CP230	VCKYCY1EF104Z	AA			0.1 μ F,25V
CP231	VCEAZA1EW476M	AB			47 μ F,25V,Electrolytic
CP232	VCKYCY1EF104Z	AA			0.1 μ F,25V
CP233	RC-EZY476AF1E	AB			47 μ F,25V,Electrolytic
CP234	VCCCCY1HH101J	AA			100 pF (CH),50V
CP235	VCCCCY1HH101J	AA			100 pF (CH),50V
CP236	VCCCCY1HH101J	AA			100 pF (CH),50V
CP237	VCCCCY1HH101J	AA			100 pF (CH),50V
CP238	VCCCCY1HH101J	AA			100 pF (CH),50V
CP239	VCCCCY1HH101J	AA			100 pF (CH),50V
CP240	VCCCCY1HH101J	AA			100 pF (CH),50V
CP241	VCCCCY1HH101J	AA			100 pF (CH),50V
CP243	VCKYCY1EF104Z	AA			0.1 μ F,25V
CP244	RC-EZY476AF1A	AB			47 μ F,10V,Electrolytic
CP245	RC-EZY226AF1A	AB			22 μ F,10V,Electrolytic
CP246	VCEAZA1AW107M	AB			100 μ F,10V,Electrolytic
CP247	RC-EZY226AF1A	AB			22 μ F,10V,Electrolytic
CP248	VCKYTV1CB105K	AC			1 μ F,16V
CP249	VCKYCY1EF104Z	AA			0.1 μ F,25V
CP250	VCKYCY1HB102K	AA			0.001 μ F,50V
CP251	RC-EZY225AF1H	AB			2.2 μ F,50V,Electrolytic
CP252	RC-EZY225AF1H	AB			2.2 μ F,50V,Electrolytic
CP253	VCKYCY1HB122K	AA			0.0012 μ F,50V
CP254	VCKYCY1HB122K	AA			0.0012 μ F,50V
CP255	RC-EZY476AF1E	AB			47 μ F,25V,Electrolytic
CP256	RC-EZY225AF1H	AB			2.2 μ F,50V,Electrolytic
CP257	VCKYCY1EF223Z	AB			0.022 μ F,25V
CP258	RC-EZY225AF1H	AB			2.2 μ F,50V,Electrolytic
CP259	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
CP260	VCEAZA1AW107M	AB			100 μ F,10V,Electrolytic
CP261	RC-EZY226AF1A	AB			22 μ F,10V,Electrolytic
CP262	VCEAZA1AW107M	AB			100 μ F,10V,Electrolytic
CP263	RC-EZY476AF1A	AB			47 μ F,10V,Electrolytic
CP264	VCKYCY1EF104Z	AA			0.1 μ F,25V
CP265	VCKYCY1HB103K	AA			0.01 μ F,50V
CP266	RC-EZY105AF1H	AB			1 μ F,50V,Electrolytic
CP267	RC-EZY226AF1A	AB			22 μ F,10V,Electrolytic
CP268	VCEAZA1AW107M	AB			100 μ F,10V,Electrolytic
CP269	RC-EZD476AF1A	AC			47 μ F,10V,Electrolytic
CP270	RC-EZY105AF1H	AB			1 μ F,50V,Electrolytic
CP271	RC-EZY105AF1H	AB			1 μ F,50V,Electrolytic

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[9] CAPACITORS					
CP272	RC-EZY226AF1A	AB			22 μ F,10V,Electrolytic
CP273	VCKYCY1EF104Z	AA			0.1 μ F,25V
CP274	RC-EZD105AF1H	AB			1 μ F,50V,Electrolytic
CP275	RC-EZY106AF1E	AB			10 μ F,25V,Electrolytic
CP276	RC-EZD476AF1A	AC			47 μ F,10V,Electrolytic
CP277	RC-EZY106AF1E	AB			10 μ F,25V,Electrolytic
CP283	VCKYPA1HB103K	AA			0.01 μ F,50V
CP600	VCKYCY1EF223Z	AB			0.022 μ F,25V
CP601	VCKYTV1CB105K	AC			1 μ F,16V
CP603	VCKYTV1CB105K	AC			1 μ F,16V
CP604	VCEAZA1HW225M	AB			2.2 μ F,50V,Electrolytic
CP605	VCKYCY1EF104Z	AA			0.1 μ F,25V
CP606	RC-EZY107AF1C	AB			100 μ F,16V,Electrolytic
CP607	VCKYCY1EF104Z	AA			0.1 μ F,25V
CP625	VCCCCY1HH180J	AA			18 pF (CH),50V
CP626	VCCCCY1HH150J	AA			15 pF (CH),50V
CP640	VCKYTV1CB105K	AC			1 μ F,16V
CP641	RC-EZY106AF1C	AB			10 μ F,16V,Electrolytic
CP642	VCKYCY1EF104Z	AA			0.1 μ F,25V
CP643	VCKYCY1HB103K	AA			0.01 μ F,50V
CP644	RC-EZY475AF1H	AB			4.7 μ F,50V,Electrolytic
CP645	VCKYCY1HB103K	AA			0.01 μ F,50V
CP647	RC-EZ3010AWZZ	AC			1000 μ F,6.3V,Electrolytic
CP650	VCKYCY1EF104Z	AA			0.1 μ F,25V
CP651	VCKYCY1EF104Z	AA			0.1 μ F,25V
CP660	VCKYCY1EF223Z	AB			0.022 μ F,25V
CP661	RC-EZY225AF1H	AB			2.2 μ F,50V,Electrolytic
CP662	VCKYTV1CF225Z	AC			2.2 μ F,16V
CP663	VCKYTV1CF225Z	AC			2.2 μ F,16V
CP664	VCKYTV1CF225Z	AC			2.2 μ F,16V
CP665	VCKYTV1CF225Z	AC			2.2 μ F,16V
CP666	VCKYTV1CF225Z	AC			2.2 μ F,16V
CP667	RC-EZY107AF1C	AB			100 μ F,16V,Electrolytic
CP668	VCKYCY1EF104Z	AA			0.1 μ F,25V
CP669	VCKYTV1CB105K	AC			1 μ F,16V
CP670	VCKYTV1CB105K	AC			1 μ F,16V
CP671	VCKYTV1CB105K	AC			1 μ F,16V
CP672	VCKYTV1CB105K	AC			1 μ F,16V
CP673	VCKYTV1CB105K	AC			1 μ F,16V
CP674	VCKYCY1HB103K	AA			0.01 μ F,50V
CP675	VCKYCY1EF104Z	AA			0.1 μ F,25V
CP676	VCKYCY1EF104Z	AA			0.1 μ F,25V
CP677	RC-EZY106AF1C	AB			10 μ F,16V,Electrolytic
CP678	RC-EZY335AF1H	AB			3.3 μ F,50V,Electrolytic
CP679	RC-EZY335AF1H	AB			3.3 μ F,50V,Electrolytic
CP680	RC-EZY226AF1C	AB			22 μ F,16V,Electrolytic
CP681	VCKYCY1EF223Z	AB			0.022 μ F,25V
CP682	VCCCCY1HH151J	AA			150 pF (CH),50V
CP683	VCKYPA1HB102K	AA			0.001 μ F,50V
CP684	RC-EZY227AF0J	AB			220 μ F,6.3V,Electrolytic
CP713	VCKYCY1EF104Z	AA			0.1 μ F,25V
CP714	RC-EZY476AF1C	AB			47 μ F,16V,Electrolytic
CP720	VCKYCY1EF104Z	AA			0.1 μ F,25V
CP721	RC-EZY476AF1C	AB			47 μ F,16V,Electrolytic
CP730	VCKYCY1EF223Z	AB			0.022 μ F,25V
CP731	VCKYCY1EF223Z	AB			0.022 μ F,25V
CP732	VCKYCY1EF223Z	AB			0.022 μ F,25V
CP733	VCKYCY1EF223Z	AB			0.022 μ F,25V
CP780	RC-EZY226AF1C	AB			22 μ F,16V,Electrolytic
CP781	VCKYCY1EF223Z	AB			0.022 μ F,25V
CP782	VCCCCY1HH151J	AA			150 pF (CH),50V
CP783	VCKYCY1HB103K	AA			0.01 μ F,50V
CP785	VCKYTV1CB105K	AC			1 μ F,16V
CT21	VCEAZA1EW476M	AB			47 μ F,25V,Electrolytic
CT22	VCKYCY1EF223Z	AB			0.022 μ F,25V
CT23	VCCCCY1HH220J	AA			22 pF (CH),50V
CT25	VCCCCY1HH220J	AA			22 pF (CH),50V
CT26	VCCCCY1HH561J	AB			560 pF (CH),50V
CT27	VCKYCY1EF223Z	AB			0.022 μ F,25V
CT28	VCKYCY1EF223Z	AB			0.022 μ F,25V
CT29	VCKYCY1EF223Z	AB			0.022 μ F,25V
CT30	VCKYCY1EF223Z	AB			0.022 μ F,25V
CT31	VCEAZA1EW476M	AB			47 μ F,25V,Electrolytic
CT32	VCEAZA1EW476M	AB			47 μ F,25V,Electrolytic
[10] RESISTORS					
JP3	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
JP4	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
JP5	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
JP6	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
JP12	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
JP16	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
JP18	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
JP19	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
JP20	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[10] RESISTORS					
JP105	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
JP200	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
JP239	VRS-CY1JB101J	AA			100 ohm,1/16W
JP242	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
JP248	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
JP700	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
JP701	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
JP702	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
JP705	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
JP706	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
JP707	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
JP708	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
JP709	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
JP710	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
JP712	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
JP713	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
JP714	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
JP715	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
JP716	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
JP717	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
JP720	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R14	VRS-CY1JB330J	AA			33 ohms,1/16W
R15	VRS-CY1JB330J	AA			33 ohms,1/16W
R101	VRS-CY1JB103J	AA			10 kohm,1/16W
R102	VRS-CY1JB332J	AA			3.3 kohms,1/16W
R103	VRS-CY1JB332J	AA			3.3 kohms,1/16W
R104	VRS-CY1JB332J	AA			3.3 kohms,1/16W
R105	VRS-CY1JB332J	AA			3.3 kohms,1/16W
R106	VRS-CY1JB103J	AA			10 kohm,1/16W
R107	VRS-CY1JB103J	AA			10 kohm,1/16W
R108	VRS-CY1JB103J	AA			10 kohm,1/16W
R109	VRS-CY1JB103J	AA			10 kohm,1/16W
R110	VRS-CY1JB103J	AA			10 kohm,1/16W
R111	VRS-CY1JB103J	AA			10 kohm,1/16W
R112	VRS-CY1JB103J	AA			10 kohm,1/16W
R113	VRS-CY1JB103J	AA			10 kohm,1/16W
R114	VRS-CY1JB332J	AA			3.3 kohms,1/16W
R115	VRS-CY1JB332J	AA			3.3 kohms,1/16W
R116	VRS-CY1JB332J	AA			3.3 kohms,1/16W
R117	VRS-CY1JB103J	AA			10 kohm,1/16W
R118	VRS-CY1JB103J	AA			10 kohm,1/16W
R119	VRS-CY1JB101J	AA			100 ohm,1/16W
R120	VRS-CY1JB333J	AA			33 kohms,1/16W
R121	VRS-CY1JB331J	AA			330 ohms,1/16W
R123	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R124	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R125	VRS-CY1JB331J	AA			330 ohms,1/16W
R126	VRS-CY1JB331J	AA			330 ohms,1/16W
R127	VRS-CY1JB101J	AA			100 ohm,1/16W
R128	VRS-CY1JB101J	AA			100 ohm,1/16W
R129	VRS-CY1JB4R7J	AA			4.7 ohms,1/16W
R130	VRS-CY1JB183J	AA			18 kohms,1/16W
R131	VRS-CY1JB221J	AA			220 ohms,1/16W
R132	VRS-CY1JB221J	AA			220 ohms,1/16W
R133	VRS-CY1JB153J	AA			15 kohms,1/16W
R134	VRS-CY1JB4R7J	AA			4.7 ohms,1/16W
R135	VRS-CY1JB103J	AA			10 kohm,1/16W
R136	VRS-CY1JB221J	AA			220 ohms,1/16W
R139	VRS-CY1JB102J	AA			1 kohm,1/16W
R140	VRS-CY1JB102J	AA			1 kohm,1/16W
R141	VRS-CY1JB102J	AA			1 kohm,1/16W
R148	VRS-CY1JB105J	AA			1 Mohm,1/16W
R149	VRS-CY1JB471J	AA			470 ohms,1/16W
R150	VRS-CY1JB221J	AA			220 ohms,1/16W
R151	VRS-CY1JB473J	AA			47 kohms,1/16W
R152	VRS-CY1JB473J	AA			47 kohms,1/16W
R153	VRS-CY1JB101J	AA			100 ohm,1/16W
R160	VRS-CY1JB102J	AA			1 kohm,1/16W
R161	VRS-CY1JB102J	AA			1 kohm,1/16W
R162	VRS-CY1JB562J	AA			5.6 kohms,1/16W
R164	VRS-CY1JB101J	AA			100 ohm,1/16W
R165	VRS-CY1JB103J	AA			10 kohm,1/16W
R167	VRS-CY1JB103J	AA			10 kohm,1/16W
R176	VRS-CY1JB103J	AA			10 kohm,1/16W
R177	VRS-CY1JB103J	AA			10 kohm,1/16W
R178	VRS-CY1JB103J	AA			10 kohm,1/16W
R179	VRS-CY1JB103J	AA			10 kohm,1/16W
R180	VRS-CY1JB103J	AA			10 kohm,1/16W
R182	VRS-CY1JB221J	AA			220 ohms,1/16W
R188	VRS-CY1JB102J	AA			1 kohm,1/16W
R197	VRS-CY1JB122J	AA			1.2 kohms,1/16W
R198	VRS-CY1JB122J	AA			1.2 kohms,1/16W
R199	VRS-CY1JB103J	AA			10 kohm,1/16W
R400	VRS-CY1JB471J	AA			470 ohms,1/16W
R401	VRS-CY1JB221J	AA			220 ohms,1/16W

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[10] RESISTORS					
⚠ R402	RH-QX0006AWZZ	AE			Posistor,4.7 ohms
R404	VRS-CY1JB102J	AA			1 kohm,1/16W
R405	VRS-CY1JB221J	AA			220 ohms,1/16W
R411	VRS-CY1JB222J	AA			2.2 kohms,1/16W
R412	VRS-CY1JB222J	AA			2.2 kohms,1/16W
R413	VRS-CY1JB821J	AA			820 ohms,1/16W
R414	VRS-CY1JB332J	AA			3.3 kohms,1/16W
R416	VRS-CY1JB562J	AA			5.6 kohms,1/16W
R417	VRS-CY1JB102J	AA			1 kohm,1/16W
R418	VRS-CY1JB102J	AA			1 kohm,1/16W
R419	VRS-CY1JB104J	AA			100 kohm,1/16W
R420	VRS-CY1JB152J	AA			1.5 kohms,1/16W
R421	VRS-CY1JB102J	AA			1 kohm,1/16W
R422	VRS-CY1JB102J	AA			1 kohm,1/16W
R423	VRS-CY1JB101J	AA			100 ohm,1/16W
R424	VRS-CY1JB101J	AA			100 ohm,1/16W
R425	VRS-CY1JB332J	AA			3.3 kohms,1/16W
R426	VRS-CY1JB332J	AA			3.3 kohms,1/16W
R427	VRS-CY1JB473J	AA			47 kohms,1/16W
R428	VRS-CY1JB473J	AA			47 kohms,1/16W
R431	VRS-CY1JB332J	AA			3.3 kohms,1/16W
R432	VRS-CY1JB332J	AA			3.3 kohms,1/16W
R435	VRS-CY1JB104J	AA			100 kohm,1/16W
R436	VRS-CY1JB104J	AA			100 kohm,1/16W
R437	VRS-CY1JB102J	AA			1 kohm,1/16W
R438	VRS-CY1JB102J	AA			1 kohm,1/16W
R439	VRS-CY1JB392J	AA			3.9 kohms,1/16W
R440	VRS-CY1JB392J	AA			3.9 kohms,1/16W
R441	VRS-CY1JB102J	AA			1 kohm,1/16W
R442	VRS-CY1JB102J	AA			1 kohm,1/16W
R443	VRS-CY1JB101J	AA			100 ohm,1/16W
R444	VRS-CY1JB101J	AA			100 ohm,1/16W
R445	VRS-CY1JB332J	AA			3.3 kohms,1/16W
R446	VRS-CY1JB332J	AA			3.3 kohms,1/16W
R447	VRS-CY1JB473J	AA			47 kohms,1/16W
R448	VRS-CY1JB473J	AA			47 kohms,1/16W
R451	VRS-CY1JB332J	AA			3.3 kohms,1/16W
R452	VRS-CY1JB152J	AA			1.5 kohms,1/16W
R455	VRS-CY1JB104J	AA			100 kohm,1/16W
R457	VRS-CY1JB102J	AA			1 kohm,1/16W
R458	VRS-CY1JB683J	AA			68 kohms,1/16W
R459	VRS-CY1JB392J	AA			3.9 kohms,1/16W
R460	VRS-CY1JB392J	AA			3.9 kohms,1/16W
R461	VRS-CY1JB102J	AA			1 kohm,1/16W
R462	VRS-CY1JB561J	AA			560 ohms,1/16W
R463	VRS-CY1JB101J	AA			100 ohm,1/16W
R464	VRS-CY1JB223J	AA			22 kohms,1/16W
R465	VRS-CY1JB332J	AA			3.3 kohms,1/16W
R466	VRS-CY1JB332J	AA			3.3 kohms,1/16W
R467	VRS-CY1JB473J	AA			47 kohms,1/16W
R468	VRS-CY1JB103J	AA			10 kohm,1/16W
R477	VRS-CY1JB392J	AA			3.9 kohms,1/16W
R478	VRS-CY1JB102J	AA			1 kohm,1/16W
R479	VRS-CY1JB104J	AA			100 kohm,1/16W
R480	VRS-CY1JB682J	AA			6.8 kohms,1/16W
R483	VRS-CY1JB104J	AA			100 kohm,1/16W
R484	VRS-CY1JB104J	AA			100 kohm,1/16W
R487	VRS-CY1JB104J	AA			100 kohm,1/16W
R488	VRS-CY1JB104J	AA			100 kohm,1/16W
R490	VRS-CY1JB473J	AA			47 kohms,1/16W
R491	VRD-ST2CD473J	AA			47 kohms,1/6W
R492	VRS-CY1JB152J	AA			1.5 kohms,1/16W
R493	VRS-CY1JB105J	AA			1 Mohm,1/16W
R496	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R497	VRS-CY1JB104J	AA			100 kohm,1/16W
R498	VRS-CY1JB104J	AA			100 kohm,1/16W
R499	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R500	VRS-CY1JB102J	AA			1 kohm,1/16W
R501	VRS-CY1JB102J	AA			1 kohm,1/16W
R502	VRS-CY1JB822J	AA			8.2 kohms,1/16W
R503	VRS-CY1JB822J	AA			8.2 kohms,1/16W
R504	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R505	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R506	VRS-CY1JB822J	AA			8.2 kohms,1/16W
R508	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R510	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R511	VRS-CY1JB221J	AA			220 ohms,1/16W
R512	VRS-CY1JB221J	AA			220 ohms,1/16W
R513	VRS-CY1JB104J	AA			100 kohm,1/16W
R514	VRS-CY1JB104J	AA			100 kohm,1/16W
R515	VRS-CY1JB221J	AA			220 ohms,1/16W
R516	VRS-CY1JB221J	AA			220 ohms,1/16W
R517	VRS-CY1JB104J	AA			100 kohm,1/16W
R518	VRS-CY1JB104J	AA			100 kohm,1/16W
R519	VRS-CY1JB221J	AA			220 ohms,1/16W

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[10] RESISTORS					
R520	VRS-CY1JB221J	AA			220 ohms,1/16W
R521	VRS-CY1JB104J	AA			100 kohm,1/16W
R522	VRS-CY1JB104J	AA			100 kohm,1/16W
R523	VRS-CY1JB822J	AA			8.2 kohms,1/16W
R524	VRS-CY1JB822J	AA			8.2 kohms,1/16W
R525	VRS-CY1JB102J	AA			1 kohm,1/16W
R526	VRS-CY1JB102J	AA			1 kohm,1/16W
R527	VRS-CY1JB682J	AA			6.8 kohms,1/16W
R528	VRS-CY1JB682J	AA			6.8 kohms,1/16W
R531	VRS-CY1JB222J	AA			2.2 kohms,1/16W
R532	VRS-CY1JB222J	AA			2.2 kohms,1/16W
R537	VRS-CY1JB102J	AA			1 kohm,1/16W
R539	VRS-CY1JB563J	AA			56 kohms,1/16W
R541	VRD-ST2EE151J	AA			150 ohms,1/4W
R543	VRS-CY1JB822J	AA			8.2 kohms,1/16W
R544	VRD-ST2EE151J	AA			150 ohms,1/4W
R550	VRS-CY1JB102J	AA			1 kohm,1/16W
R551	VRS-CY1JB153J	AA			15 kohms,1/16W
R552	VRS-CY1JB273J	AA			27 kohms,1/16W
R553	VRS-CY1JB102J	AA			1 kohm,1/16W
R554	VRS-CY1JB223J	AA			22 kohms,1/16W
R560	VRS-CY1JB272J	AA			2.7 kohms,1/16W
R561	VRS-CY1JB102J	AA			1 kohm,1/16W
R562	VRS-CY1JB102J	AA			1 kohm,1/16W
R567	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R568	VRS-CY1JB121J	AA			120 ohms,1/16W
R569	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R570	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R571	VRS-CY1JB471J	AA			470 ohms,1/16W
R572	VRS-CY1JB103J	AA			10 kohm,1/16W
R573	VRS-CY1JB224J	AA			220 kohms,1/16W
R574	VRS-CY1JB272J	AA			2.7 kohms,1/16W
R575	VRS-CY1JB121J	AA			120 ohms,1/16W
R577	VRS-CY1JB471J	AA			470 ohms,1/16W
R578	VRS-CY1JB224J	AA			220 kohms,1/16W
R579	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R580	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
R581	VRS-CY1JB103J	AA			10 kohm,1/16W
R583	VRD-ST2CD104J	AA			100 kohm,1/6W
R584	VRD-ST2CD104J	AA			100 kohm,1/6W
R585	VRD-ST2CD103J	AA			10 kohm,1/6W
R586	VRD-ST2CD103J	AA			10 kohm,1/6W
R587	VRS-CY1JB823J	AA			82 kohms,1/16W
R588	VRS-CY1JB823J	AA			82 kohms,1/16W
R590	VRD-ST2EE820J	AA			82 ohms,1/4W
R591	VRD-ST2EE820J	AA			82 ohms,1/4W
R592	VRD-ST2EE820J	AA			82 ohms,1/4W
R593	VRS-CY1JB104J	AA			100 kohm,1/16W
R594	VRS-CY1JB104J	AA			100 kohm,1/16W
R595	VRS-CY1JB104J	AA			100 kohm,1/16W
R596	VRS-CY1JB103J	AA			10 kohm,1/16W
R597	VRS-CY1JB222J	AA			2.2 kohms,1/16W
R598	VRS-CY1JB222J	AA			2.2 kohms,1/16W
R599	VRS-CY1JB102J	AA			1 kohm,1/16W
R600	VRS-CY1JB271J	AA			270 ohms,1/16W
R601	VRS-CY1JB473J	AA			47 kohms,1/16W
R602	VRS-CY1JB473J	AA			47 kohms,1/16W
R603	VRS-CY1JB271J	AA			270 ohms,1/16W
R604	VRD-ST2CD473J	AA			47 kohms,1/6W
R605	VRS-CY1JB473J	AA			47 kohms,1/16W
R606	VRS-CY1JB474J	AA			470 kohms,1/16W
R611	VRD-RT2HD330J	AA			33 ohms,1/2W
R612	VRD-RT2HD470J	AA			47 ohms,1/2W
R613	VRS-CY1JB473J	AA			47 kohms,1/16W
R614	VRS-CY1JB473J	AA			47 kohms,1/16W
R615	VRS-CY1JB474J	AA			470 kohms,1/16W
R616	VRS-CY1JB102J	AA			1 kohm,1/16W
R619	VRS-CY1JB102J	AA			1 kohm,1/16W
R621	VRS-CY1JB102J	AA			1 kohm,1/16W
R626	VRD-ST2EE151J	AA			150 ohms,1/4W
R627	VRD-ST2EE151J	AA			150 ohms,1/4W
R629	VRS-CY1JB332J	AA			3.3 kohms,1/16W
R630	VRS-CY1JB222J	AA			2.2 kohms,1/16W
R647	VRD-ST2EE820J	AA			82 ohms,1/4W
R649	VRD-ST2CD104J	AA			100 kohm,1/6W
R653	VRS-CY1JB474J	AA			470 kohms,1/16W
R654	VRS-CY1JB333J	AA			33 kohms,1/16W
R655	VRS-CY1JB103J	AA			10 kohm,1/16W
R656	VRS-CY1JB473J	AA			47 kohms,1/16W
R657	VRS-CY1JB333J	AA			33 kohms,1/16W
R658	VRS-CY1JB473J	AA			47 kohms,1/16W
R662	VRS-CY1JB104J	AA			100 kohm,1/16W
R669	VRS-CY1JB153J	AA			15 kohms,1/16W
R670	VRS-CY1JB153J	AA			15 kohms,1/16W
R671	VRS-CY1JB473J	AA			47 kohms,1/16W

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[10] RESISTORS					
R672	VRS-CY1JB473J	AA			47 kohms,1/16W
R673	VRS-CY1JB473J	AA			47 kohms,1/16W
R689	VRD-RT2HD100J	AA			10 ohm,1/2W
R690	VRD-RT2HD470J	AA			47 ohms,1/2W
R701	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R702	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R703	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R704	VRS-CY1JB102J	AA			1 kohm,1/16W
R706	VRS-CY1JB102J	AA			1 kohm,1/16W
R708	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R709	VRS-CY1JB103J	AA			10 kohm,1/16W
R710	VRS-CY1JB102J	AA			1 kohm,1/16W
R711	VRS-CB1JF102J	AB			1 kohm x 4
R712	VRS-CY1JB102J	AA			1 kohm,1/16W
R713	VRS-CY1JB102J	AA			1 kohm,1/16W
R714	VRS-CY1JB102J	AA			1 kohm,1/16W
R715	VRS-CY1JB102J	AA			1 kohm,1/16W
R716	VRS-CY1JB102J	AA			1 kohm,1/16W
R717	VRS-CY1JB102J	AA			1 kohm,1/16W
R718	VRS-CB1JF102J	AB			1 kohm x 4
R719	VRD-ST2CD103J	AA			10 kohm,1/6W
R721	VRS-CY1JB104J	AA			100 kohm,1/16W
R722	VRS-CB1JF102J	AB			1 kohm x 4
R726	VRS-CY1JB151J	AA			150 ohms,1/16W
R727	VRS-CY1JB103J	AA			10 kohm,1/16W
R730	VRS-CY1JB151J	AA			150 ohms,1/16W
R731	VRS-CY1JB681J	AA			680 ohms,1/16W
R732	VRS-CY1JB103J	AA			10 kohm,1/16W
R735	VRS-CY1JB103J	AA			10 kohm,1/16W
R739	VRS-CY1JB102J	AA			1 kohm,1/16W
R740	VRS-CY1JB102J	AA			1 kohm,1/16W
R741	VRS-CY1JB102J	AA			1 kohm,1/16W
R742	VRS-CY1JB102J	AA			1 kohm,1/16W
R743	VRS-CY1JB102J	AA			1 kohm,1/16W
R744	VRS-CY1JB102J	AA			1 kohm,1/16W
R745	VRS-CB1JF102J	AB			1 kohm x 4
R749	VRS-CY1JB102J	AA			1 kohm,1/16W
R750	VRS-CY1JB102J	AA			1 kohm,1/16W
R751	VRS-CY1JB683J	AA			68 kohms,1/16W
R752	VRS-CY1JB472J	AA			4.7 kohms,1/16W
R753	VRS-CY1JB103J	AA			10 kohm,1/16W
R754	VRS-CY1JB102J	AA			1 kohm,1/16W
R755	VRS-CY1JB821J	AA			820 ohms,1/16W
R756	VRS-CY1JB272J	AA			2.7 kohms,1/16W
R757	VRS-CY1JB104J	AA			100 kohm,1/16W
R758	VRD-RT2HD331J	AA			330 ohms,1/2W
R759	VRS-CY1JB272J	AA			2.7 kohms,1/16W
R760	VRS-CY1JB103J	AA			10 kohm,1/16W
R761	VRS-CY1JB271J	AA			270 ohms,1/16W
R762	VRS-CY1JB221J	AA			220 ohms,1/16W
R763	VRS-CY1JB221J	AA			220 ohms,1/16W
R764	VRS-CY1JB221J	AA			220 ohms,1/16W
R765	VRS-CY1JB221J	AA			220 ohms,1/16W
R766	VRS-CY1JB102J	AA			1 kohm,1/16W
R767	VRS-CY1JB102J	AA			1 kohm,1/16W
R768	VRS-CY1JB102J	AA			1 kohm,1/16W
R769	VRS-CY1JB102J	AA			1 kohm,1/16W
R770	VRS-CB1JF102J	AB			1 kohm x 4
R772	VRS-CY1JB103J	AA			10 kohm,1/16W
R773	VRS-CY1JB473J	AA			47 kohms,1/16W
R776	VRS-CY1JB102J	AA			1 kohm,1/16W
R779	VRS-CY1JB102J	AA			1 kohm,1/16W
R780	VRS-CY1JB103J	AA			10 kohm,1/16W
R781	VRS-CY1JB102J	AA			1 kohm,1/16W
R782	VRS-CY1JB103J	AA			10 kohm,1/16W
R784	VRS-CY1JB103J	AA			10 kohm,1/16W
R788	VRS-CY1JB103J	AA			10 kohm,1/16W
R789	VRS-CY1JB100J	AA			10 ohm,1/16W
R790	VRS-CY1JB102J	AA			1 kohm,1/16W
R791	VRS-CY1JB123J	AA			12 kohms,1/16W
R792	VRS-CY1JB102J	AA			1 kohm,1/16W
R797	VRS-CY1JB104J	AA			100 kohm,1/16W
R798	VRS-CY1JB102J	AA			1 kohm,1/16W
R799	VRS-CY1JB102J	AA			1 kohm,1/16W
R810	VRS-CY1JB103J	AA			10 kohm,1/16W
R811	VRS-CY1JB222J	AA			2.2 kohms,1/16W
R855	VRS-CY1JB183D	AA			18 kohms,1/16W
R857	VRS-CY1JB103J	AA			10 kohm,1/16W
R858	VRS-CY1JB103J	AA			10 kohm,1/16W
R859	VRS-CY1JB333J	AA			33 kohms,1/16W
R861	VRS-CY1JB103J	AA			10 kohm,1/16W
R862	VRS-CY1JB103J	AA			10 kohm,1/16W
R863	VRS-CY1JB103J	AA			10 kohm,1/16W
R864	VRS-CY1JB104J	AA			100 kohm,1/16W
R867	VRS-CY1JB222D	AA			2.2 kohms,1/16W

	NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
	[10] RESISTORS					
	R868	VRS-CY1JB183D	AA			18 kohms,1/16W
	R869	VRS-CY1JB562J	AA			5.6 kohms,1/16W
	R870	VRS-CY1JB221J	AA			220 ohms,1/16W
	R871	VRN-CM05N0R1J	AD			0.1 ohm,5W
	R874	VRS-CY1JB680J	AA			68 ohms,1/16W
	R879	VRS-CY1JB183D	AA			18 kohms,1/16W
	R880	VRS-CY1JB184D	AA			180 kohms,1/16W
	R881	VRS-CY1JB183D	AA			18 kohms,1/16W
	R882	VRS-CY1JB103J	AA			10 kohm,1/16W
	R883	VRS-CY1JB183D	AA			18 kohms,1/16W
	R884	VRS-CY1JB183D	AA			18 kohms,1/16W
	R885	VRS-CY1JB222D	AA			2.2 kohms,1/16W
	R886	VRS-CY1JB103D	AA			10 kohm,1/16W
	R888	VRD-RT2HD392J	AA			3.9 kohms,1/2W
	R889	VRD-ST2EE1R5J	AA			1.5 ohms,1/4W
	R890	VRD-ST2EE1R2J	AA			1.2 ohms,1/4W
	R891	VRS-CY1JB184D	AA			180 kohms,1/16W
	R892	VRS-CY1JB103D	AA			10 kohm,1/16W
	R893	VRS-CY1JB103J	AA			10 kohm,1/16W
	R894	VRS-CY1JB104J	AA			100 kohm,1/16W
	R895	VRS-CY1JB333J	AA			33 kohms,1/16W
	R896	VRS-CY1JB472J	AA			4.7 kohms,1/16W
	R898	VRS-CY1JB124J	AA			120 kohms,1/16W
	R899	VRS-CY1JB333J	AA			33 kohms,1/16W
⚠	R901	VRD-RT2HD394J	AB			390 kohms,1/2W
⚠	R903	VRD-ST2EE105J	AA			1 Mohm,1/4W
⚠	R905	VRS-VV3DA473J	AB			47 kohms,2W
⚠	R906	VRS-VV3DA473J	AB			47 kohms,2W
⚠	R907	VRN-VU3DAR18J	AB			0.18 ohms,2W,Metal Film
⚠	R908	VRN-VU3DAR18J	AB			0.18 ohms,2W,Metal Film
⚠	R910	VRD-RT2HD220J	AA			22 ohms,1/2W
	R912	VRS-CY1JB102J	AA			1 kohm,1/16W
⚠	R914	VRD-ST2CD332J	AA			3.3 kohms,1/6W
⚠	R915	VRD-ST2CD154J	AA			150 kohms,1/6W
⚠	R916	VRD-ST2CD152J	AA			1.5 kohms,1/6W
⚠	R917	VRS-VV3DA104J	AB			100 kohm,2W
⚠	R918	VRD-ST2CD221J	AA			220 ohms,1/6W
⚠	R919	VRD-ST2CD000J	AA			0 ohm,Jumper
	R930	VRS-CY1JB272J	AA			2.7 kohms,1/16W
	R931	VRS-CY1JB392J	AA			3.9 kohms,1/16W
	R932	VRS-CY1JB563J	AA			56 kohms,1/16W
	R933	VRS-CY1JB122J	AA			1.2 kohms,1/16W
	R967	VRD-ST2CD102J	AA			1 kohm,1/6W
	R968	VRD-ST2CD123J	AA			12 kohms,1/6W
	R969	VRD-ST2CD102J	AA			1 kohm,1/6W
	R970	VRD-ST2CD102J	AA			1 kohm,1/6W
	R971	VRD-ST2EE152J	AA			1.5 kohms,1/4W
	R980	VRD-ST2CD102J	AA			1 kohm,1/6W
	R983	VRD-ST2CD102J	AA			1 kohm,1/6W
⚠	R995	VRD-ST2CD224J	AA			220 kohms,1/6W
	R996	VRS-CY1JB331J	AA			330 ohms,1/16W
	R997	VRS-CY1JB472J	AA			4.7 kohms,1/16W
	R998	VRS-CY1JB473J	AA			47 kohms,1/16W
⚠	R999	VRD-ST2CD332J	AA			3.3 kohms,1/6W
	RA100	VRS-CY1JB104J	AA			100 kohm,1/16W
	RA101	VRS-CY1JB104J	AA			100 kohm,1/16W
	RA104	VRS-CY1JB124D	AA			120 kohms,1/16W
	RA105	VRS-CY1JB124D	AA			120 kohms,1/16W
	RA106	VRS-CY1JB124D	AA			120 kohms,1/16W
	RA107	VRS-CY1JB124D	AA			120 kohms,1/16W
	RA108	VRS-CY1JB203D	AB			20 kohms,1/16W
	RA109	VRS-CY1JB203D	AB			20 kohms,1/16W
	RA124	VRS-CY1JB102J	AA			1 kohm,1/16W
	RA125	VRS-CY1JB102J	AA			1 kohm,1/16W
	RA128	VRS-CY1JB102J	AA			1 kohm,1/16W
	RA129	VRS-CY1JB102J	AA			1 kohm,1/16W
	RA130	VRS-CY1JB153D	AA			15 kohms,1/16W
	RA131	VRS-CY1JB153D	AA			15 kohms,1/16W
	RA132	VRS-CY1JB332D	AA			3.3 kohms,1/16W
	RA133	VRS-CY1JB332D	AA			3.3 kohms,1/16W
	RA134	VRS-CY1JB681D	AA			680 ohms,1/16W
	RA135	VRS-CY1JB681D	AA			680 ohms,1/16W
	RA136	VRS-CY1JB102D	AA			1 kohm,1/16W
	RA137	VRS-CY1JB102D	AA			1 kohm,1/16W
	RA138	VRS-CY1JB153D	AA			15 kohms,1/16W
	RA139	VRS-CY1JB153D	AA			15 kohms,1/16W
	RA140	VRS-CY1JB332D	AA			3.3 kohms,1/16W
	RA141	VRS-CY1JB332D	AA			3.3 kohms,1/16W
	RA142	VRS-CY1JB681D	AA			680 ohms,1/16W
	RA143	VRS-CY1JB681D	AA			680 ohms,1/16W
	RA144	VRS-CY1JB102D	AA			1 kohm,1/16W
	RA145	VRS-CY1JB102D	AA			1 kohm,1/16W
	RA146	VRS-CY1JB562J	AA			5.6 kohms,1/16W
	RA147	VRS-CY1JB562J	AA			5.6 kohms,1/16W

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[10] RESISTORS					
RA148	VRS-CY1JB562J	AA			5.6 kohms,1/16W
RA149	VRS-CY1JB562J	AA			5.6 kohms,1/16W
RA150	VRN-CM05N470J	AE			47 ohms,5W,Metal Film
RA151	VRN-CM05N470J	AE			47 ohms,5W,Metal Film
RA155	VRS-CY1JB753D	AA			75 kohms,1/16W
RA156	VRS-CY1JB753D	AA			75 kohms,1/16W
RA157	VRS-CY1JB753D	AA			75 kohms,1/16W
RA158	VRS-CY1JB753D	AA			75 kohms,1/16W
RA159	VRS-CY1JB102J	AA			1 kohm,1/16W
RA161	VRS-CY1JB101J	AA			100 ohm,1/16W
RA172	VRS-CY1JB153D	AA			15 kohms,1/16W
RA173	VRS-CY1JB153D	AA			15 kohms,1/16W
RA174	VRS-CY1JB153D	AA			15 kohms,1/16W
RA175	VRS-CY1JB153D	AA			15 kohms,1/16W
RA200	VRS-CY1JB104J	AA			100 kohm,1/16W
RA201	VRS-CY1JB104J	AA			100 kohm,1/16W
RA204	VRS-CY1JB124D	AA			120 kohms,1/16W
RA205	VRS-CY1JB124D	AA			120 kohms,1/16W
RA206	VRS-CY1JB124D	AA			120 kohms,1/16W
RA207	VRS-CY1JB124D	AA			120 kohms,1/16W
RA208	VRS-CY1JB203D	AB			20 kohms,1/16W
RA209	VRS-CY1JB203D	AB			20 kohms,1/16W
RA224	VRS-CY1JB102J	AA			1 kohm,1/16W
RA225	VRS-CY1JB102J	AA			1 kohm,1/16W
RA228	VRS-CY1JB102J	AA			1 kohm,1/16W
RA229	VRS-CY1JB102J	AA			1 kohm,1/16W
RA230	VRS-CY1JB153D	AA			15 kohms,1/16W
RA231	VRS-CY1JB153D	AA			15 kohms,1/16W
RA232	VRS-CY1JB332D	AA			3.3 kohms,1/16W
RA233	VRS-CY1JB332D	AA			3.3 kohms,1/16W
RA234	VRS-CY1JB681D	AA			680 ohms,1/16W
RA235	VRS-CY1JB681D	AA			680 ohms,1/16W
RA236	VRS-CY1JB102D	AA			1 kohm,1/16W
RA237	VRS-CY1JB102D	AA			1 kohm,1/16W
RA238	VRS-CY1JB153D	AA			15 kohms,1/16W
RA239	VRS-CY1JB153D	AA			15 kohms,1/16W
RA240	VRS-CY1JB332D	AA			3.3 kohms,1/16W
RA241	VRS-CY1JB332D	AA			3.3 kohms,1/16W
RA242	VRS-CY1JB681D	AA			680 ohms,1/16W
RA243	VRS-CY1JB681D	AA			680 ohms,1/16W
RA244	VRS-CY1JB102D	AA			1 kohm,1/16W
RA245	VRS-CY1JB102D	AA			1 kohm,1/16W
RA246	VRS-CY1JB562J	AA			5.6 kohms,1/16W
RA247	VRS-CY1JB562J	AA			5.6 kohms,1/16W
RA248	VRS-CY1JB562J	AA			5.6 kohms,1/16W
RA249	VRS-CY1JB562J	AA			5.6 kohms,1/16W
RA250	VRN-CM05N470J	AE			47 ohms,5W,Metal Film
RA251	VRN-CM05N470J	AE			47 ohms,5W,Metal Film
RA255	VRS-CY1JB753D	AA			75 kohms,1/16W
RA256	VRS-CY1JB753D	AA			75 kohms,1/16W
RA257	VRS-CY1JB753D	AA			75 kohms,1/16W
RA258	VRS-CY1JB753D	AA			75 kohms,1/16W
RA259	VRS-CY1JB102J	AA			1 kohm,1/16W
RA261	VRS-CY1JB101J	AA			100 ohm,1/16W
RA272	VRS-CY1JB153D	AA			15 kohms,1/16W
RA273	VRS-CY1JB153D	AA			15 kohms,1/16W
RA274	VRS-CY1JB153D	AA			15 kohms,1/16W
RA275	VRS-CY1JB153D	AA			15 kohms,1/16W
RA300	VRS-CY1JB104J	AA			100 kohm,1/16W
RA301	VRS-CY1JB104J	AA			100 kohm,1/16W
RA304	VRS-CY1JB124D	AA			120 kohms,1/16W
RA305	VRS-CY1JB124D	AA			120 kohms,1/16W
RA306	VRS-CY1JB124D	AA			120 kohms,1/16W
RA307	VRS-CY1JB124D	AA			120 kohms,1/16W
RA308	VRS-CY1JB203D	AB			20 kohms,1/16W
RA309	VRS-CY1JB203D	AB			20 kohms,1/16W
RA324	VRS-CY1JB102J	AA			1 kohm,1/16W
RA325	VRS-CY1JB102J	AA			1 kohm,1/16W
RA328	VRS-CY1JB102J	AA			1 kohm,1/16W
RA329	VRS-CY1JB102J	AA			1 kohm,1/16W
RA330	VRS-CY1JB153D	AA			15 kohms,1/16W
RA331	VRS-CY1JB153D	AA			15 kohms,1/16W
RA332	VRS-CY1JB332D	AA			3.3 kohms,1/16W
RA333	VRS-CY1JB332D	AA			3.3 kohms,1/16W
RA334	VRS-CY1JB681D	AA			680 ohms,1/16W
RA335	VRS-CY1JB681D	AA			680 ohms,1/16W
RA336	VRS-CY1JB102D	AA			1 kohm,1/16W
RA337	VRS-CY1JB102D	AA			1 kohm,1/16W
RA338	VRS-CY1JB153D	AA			15 kohms,1/16W
RA339	VRS-CY1JB153D	AA			15 kohms,1/16W
RA340	VRS-CY1JB332D	AA			3.3 kohms,1/16W
RA341	VRS-CY1JB332D	AA			3.3 kohms,1/16W
RA342	VRS-CY1JB681D	AA			680 ohms,1/16W
RA343	VRS-CY1JB681D	AA			680 ohms,1/16W
RA344	VRS-CY1JB102D	AA			1 kohm,1/16W

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[10] RESISTORS					
RA345	VRS-CY1JB102D	AA			1 kohm,1/16W
RA346	VRS-CY1JB562J	AA			5.6 kohms,1/16W
RA347	VRS-CY1JB562J	AA			5.6 kohms,1/16W
RA348	VRS-CY1JB562J	AA			5.6 kohms,1/16W
RA349	VRS-CY1JB562J	AA			5.6 kohms,1/16W
RA350	VRN-CM05N470J	AE			47 ohms,5W,Metal Film
RA351	VRN-CM05N470J	AE			47 ohms,5W,Metal Film
RA352	VRS-CY1JB333J	AA			33 kohms,1/16W
RA353	VRS-CY1JB333J	AA			33 kohms,1/16W
RA354	VRS-CY1JB333J	AA			33 kohms,1/16W
RA355	VRS-CY1JB753D	AA			75 kohms,1/16W
RA356	VRS-CY1JB753D	AA			75 kohms,1/16W
RA357	VRS-CY1JB753D	AA			75 kohms,1/16W
RA358	VRS-CY1JB753D	AA			75 kohms,1/16W
RA359	VRS-CY1JB102J	AA			1 kohm,1/16W
RA361	VRS-CY1JB101J	AA			100 ohm,1/16W
RA372	VRS-CY1JB153D	AA			15 kohms,1/16W
RA373	VRS-CY1JB153D	AA			15 kohms,1/16W
RA374	VRS-CY1JB153D	AA			15 kohms,1/16W
RA375	VRS-CY1JB153D	AA			15 kohms,1/16W
RA406	VRS-CY1JB102J	AA			1 kohm,1/16W
RA407	VRS-CY1JB102J	AA			1 kohm,1/16W
RA408	VRS-CY1JB102J	AA			1 kohm,1/16W
RA409	VRS-CY1JB561J	AA			560 ohms,1/16W
RA410	VRS-CY1JB561J	AA			560 ohms,1/16W
RA411	VRS-CY1JB561J	AA			560 ohms,1/16W
RA412	VRS-CY1JB561J	AA			560 ohms,1/16W
RA413	VRS-CY1JB561J	AA			560 ohms,1/16W
RA414	VRS-CY1JB561J	AA			560 ohms,1/16W
RA415	VRS-VV3DAR10J	AB			0.1 ohm,2W
RA417	VRS-VV3DAR10J	AB			0.1 ohm,2W
RA419	VRS-VV3DAR10J	AB			0.1 ohm,2W
RA431	VRS-CY1JB561J	AA			560 ohms,1/16W
RA432	VRS-CY1JB272J	AA			2.7 kohms,1/16W
RA433	VRS-CY1JB222J	AA			2.2 kohms,1/16W
RA434	VRS-CY1JB102J	AA			1 kohm,1/16W
RA435	VRS-CY1JB561J	AA			560 ohms,1/16W
RA436	VRS-CY1JB272J	AA			2.7 kohms,1/16W
RA437	VRS-CY1JB222J	AA			2.2 kohms,1/16W
RA438	VRS-VV3DAR10J	AB			0.1 ohm,2W
RA440	VRS-CY1JB561J	AA			560 ohms,1/16W
RA441	VRS-VV3DAR10J	AB			0.1 ohm,2W
RA443	VRS-CY1JB561J	AA			560 ohms,1/16W
RA444	VRS-VV3DAR10J	AB			0.1 ohm,2W
RA451	VRS-CY1JB102J	AA			1 kohm,1/16W
RA452	VRS-CY1JB821J	AA			820 ohms,1/16W
RA453	VRS-CY1JB821J	AA			820 ohms,1/16W
RA454	VRS-CY1JB272J	AA			2.7 kohms,1/16W
RA455	VRS-CY1JB222J	AA			2.2 kohms,1/16W
RA456	VRS-CY1JB102J	AA			1 kohm,1/16W
RA474	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
RA480	VRS-CY1JB472J	AA			4.7 kohms,1/16W
RA481	VRS-CY1JB472J	AA			4.7 kohms,1/16W
RA482	VRS-CY1JB472J	AA			4.7 kohms,1/16W
RA483	VRS-CY1JB472J	AA			4.7 kohms,1/16W
RA484	VRS-CY1JB472J	AA			4.7 kohms,1/16W
RA485	VRS-CY1JB102J	AA			1 kohm,1/16W
RA487	VRS-CY1JB473J	AA			47 kohms,1/16W
RA488	VRS-CY1JB103J	AA			10 kohm,1/16W
RA489	VRS-CY1JB102J	AA			1 kohm,1/16W
RA490	VRS-CY1JB103J	AA			10 kohm,1/16W
RA491	VRS-CY1JB683J	AA			68 kohms,1/16W
RA492	VRS-CY1JB273J	AA			27 kohms,1/16W
RA495	VRS-CY1JB823J	AA			82 kohms,1/16W
RA496	VRS-CY1JB823J	AA			82 kohms,1/16W
RA499	VRS-CY1JB683J	AA			68 kohms,1/16W
RA500	VRS-CY1JB273J	AA			27 kohms,1/16W
RA505	VRS-CY1JB823J	AA			82 kohms,1/16W
RA506	VRS-CY1JB823J	AA			82 kohms,1/16W
RA507	VRS-CY1JB683J	AA			68 kohms,1/16W
RA508	VRS-CY1JB273J	AA			27 kohms,1/16W
RA514	VRS-CY1JB823J	AA			82 kohms,1/16W
RA518	VRS-CY1JB823J	AA			82 kohms,1/16W
RD100	VRS-CY1JB473J	AA			47 kohms,1/16W
RD102	VRS-CY1JB151J	AA			150 ohms,1/16W
RD103	VRS-CY1JB151J	AA			150 ohms,1/16W
RD104	VRS-CY1JB473J	AA			47 kohms,1/16W
RD105	VRS-CY1JB473J	AA			47 kohms,1/16W
RD107	VRS-CY1JB473J	AA			47 kohms,1/16W
RD108	VRS-CY1JB473J	AA			47 kohms,1/16W
RD109	VRS-CY1JB151J	AA			150 ohms,1/16W
RD120	VRS-CY1JB151J	AA			150 ohms,1/16W
RD130	VRS-CY1JB750J	AA			75 ohms,1/16W
RD131	VRS-CY1JB102J	AA			1 kohm,1/16W
RD132	VRS-CY1JB102J	AA			1 kohm,1/16W

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[10] RESISTORS					
RD133	VRS-CY1JB102J	AA			1 kohm,1/16W
RD134	VRS-CY1JB102J	AA			1 kohm,1/16W
RD135	VRS-CY1JB102J	AA			1 kohm,1/16W
RD136	VRS-CY1JB102J	AA			1 kohm,1/16W
RD138	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
RD151	VRS-CY1JB471J	AA			470 ohms,1/16W
RG100	VRS-CY1JB122J	AA			1.2 kohms,1/16W
RG101	VRS-CY1JB122J	AA			1.2 kohms,1/16W
RG102	VRS-CY1JB223J	AA			22 kohms,1/16W
RG103	VRS-CY1JB223J	AA			22 kohms,1/16W
RG104	VRS-CY1JB223J	AA			22 kohms,1/16W
RG105	VRS-CY1JB223J	AA			22 kohms,1/16W
RG106	VRS-CY1JB223J	AA			22 kohms,1/16W
RG107	VRS-CY1JB223J	AA			22 kohms,1/16W
RG108	VRS-CY1JB223J	AA			22 kohms,1/16W
RG109	VRS-CY1JB223J	AA			22 kohms,1/16W
RG110	VRS-CY1JB221J	AA			220 ohms,1/16W
RG111	VRD-ST2CD221J	AA			220 ohms,1/6W
RG118	VRS-CY1JB104J	AA			100 kohm,1/16W
RG119	VRS-CY1JB104J	AA			100 kohm,1/16W
RG120	VRD-ST2CD000J	AA			0 ohm,Jumper
RG121	VRD-ST2CD000J	AA			0 ohm,Jumper
RG123	VRS-CY1JB151J	AA			150 ohms,1/16W
RG132	VRS-CY1JB101J	AA			100 ohm,1/16W
RG133	VRD-ST2CD101J	AA			100 ohm,1/6W
RG134	VRS-CY1JB104J	AA			100 kohm,1/16W
RG135	VRS-CY1JB104J	AA			100 kohm,1/16W
RG136	VRS-CY1JB682J	AA			6.8 kohms,1/16W
RG137	VRS-CY1JB682J	AA			6.8 kohms,1/16W
RG138	VRS-CY1JB223J	AA			22 kohms,1/16W
RG139	VRS-CY1JB102J	AA			1 kohm,1/16W
RG140	VRS-CY1JB102J	AA			1 kohm,1/16W
RG141	VRS-CY1JB104J	AA			100 kohm,1/16W
RG143	VRD-ST2EE181J	AA			180 ohms,1/4W
RG144	VRS-CY1JB104J	AA			100 kohm,1/16W
RG145	VRS-CY1JB223J	AA			22 kohms,1/16W
RG146	VRS-CY1JB103J	AA			10 kohm,1/16W
RG149	VRS-CY1JB104J	AA			100 kohm,1/16W
RG157	VRS-CY1JB222J	AA			2.2 kohms,1/16W
RG158	VRS-CY1JB222J	AA			2.2 kohms,1/16W
RG159	VRD-ST2EE181J	AA			180 ohms,1/4W
RG160	VRS-CY1JB102J	AA			1 kohm,1/16W
RG161	VRS-CY1JB102J	AA			1 kohm,1/16W
RP1	VRS-CY1JB271J	AA			270 ohms,1/16W
RP2	VRS-CY1JB271J	AA			270 ohms,1/16W
RP3	VRS-CY1JB271J	AA			270 ohms,1/16W
RP4	VRS-CY1JB271J	AA			270 ohms,1/16W
RP5	VRS-CY1JB271J	AA			270 ohms,1/16W
RP6	VRS-CY1JB271J	AA			270 ohms,1/16W
RP111	VRS-CY1JB222D	AA			2.2 kohms,1/16W
RP112	VRS-CY1JB102D	AA			1 kohm,1/16W
RP113	VRS-CY1JB271J	AA			270 ohms,1/16W
RP114	VRD-ST2CD103J	AA			10 kohm,1/6W
RP131	VRS-CY1JB102J	AA			1 kohm,1/16W
RP132	VRS-CY1JB152J	AA			1.5 kohms,1/16W
RP133	VRS-CY1JB272J	AA			2.7 kohms,1/16W
RP134	VRD-ST2CD103J	AA			10 kohm,1/6W
RP151	VRD-ST2EE680J	AA			68 ohms,1/4W
RP152	VRD-ST2EE680J	AA			68 ohms,1/4W
RP206	VRS-CY1JB750J	AA			75 ohms,1/16W
RP207	VRS-CY1JB103J	AA			10 kohm,1/16W
RP208	VRS-CY1JB750J	AA			75 ohms,1/16W
RP209	VRS-CY1JB750J	AA			75 ohms,1/16W
RP210	VRS-CY1JB750J	AA			75 ohms,1/16W
RP211	VRS-CY1JB750J	AA			75 ohms,1/16W
RP212	VRS-CY1JB750J	AA			75 ohms,1/16W
RP213	VRS-CY1JB103J	AA			10 kohm,1/16W
RP214	VRS-CY1JB104J	AA			100 kohm,1/16W
RP215	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
RP216	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
RP217	VRS-CY1JB104J	AA			100 kohm,1/16W
RP218	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
RP219	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
RP220	VRS-CY1JB104J	AA			100 kohm,1/16W
RP221	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
RP222	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
RP223	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
RP224	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
RP225	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
RP226	VRS-CY1JB104J	AA			100 kohm,1/16W
RP227	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
RP228	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
RP229	VRS-CY1JB104J	AA			100 kohm,1/16W
RP230	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
RP231	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green

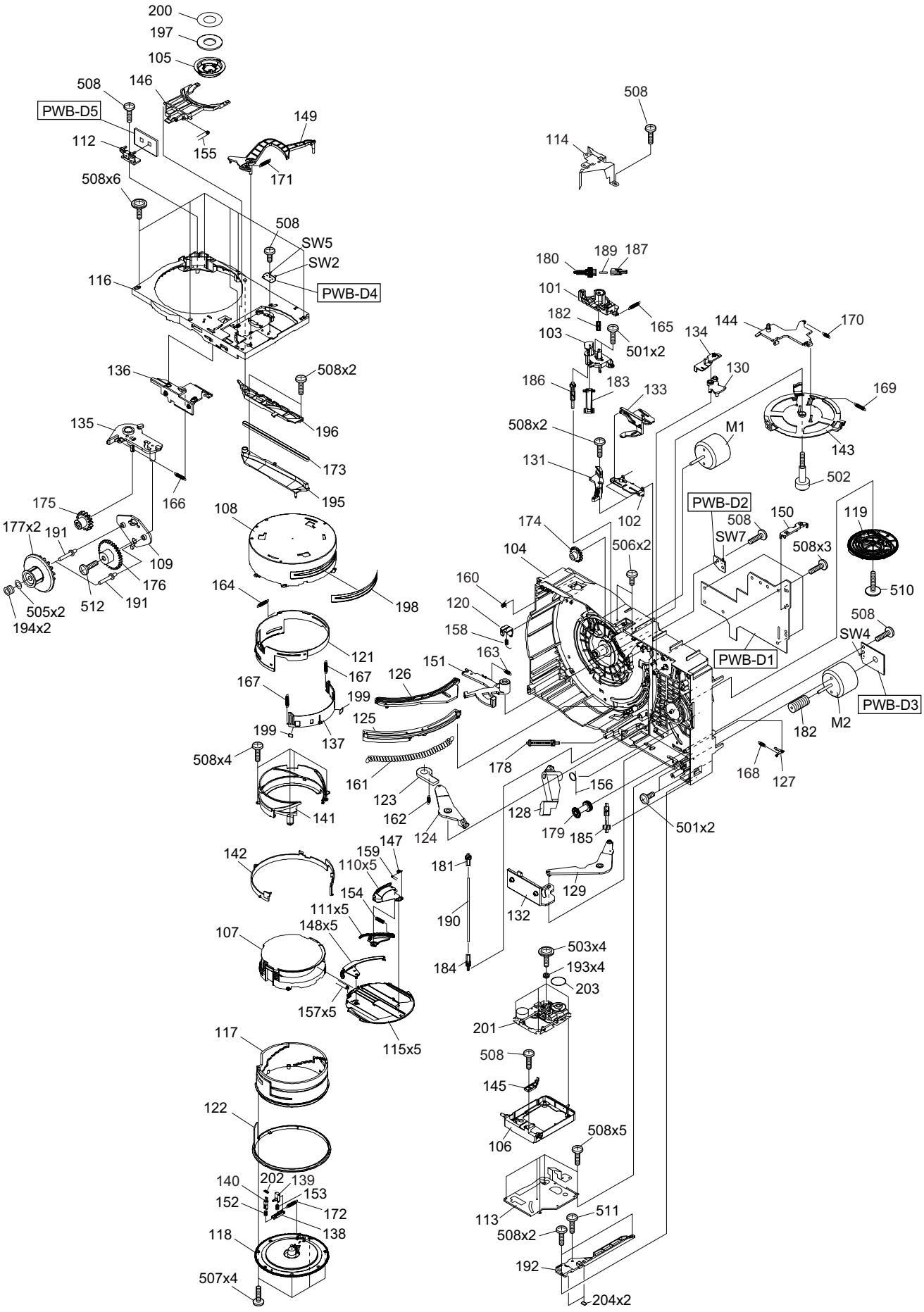
NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[10] RESISTORS					
RP232	VRS-CY1JB104J	AA			100 kohm,1/16W
RP233	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
RP234	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
RP235	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
RP236	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
RP237	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
RP238	VRS-CY1JB101J	AA			100 ohm,1/16W
RP240	VRS-CY1JB102J	AA			1 kohm,1/16W
RP241	VRS-CY1JB102J	AA			1 kohm,1/16W
RP242	VRS-CY1JB102J	AA			1 kohm,1/16W
RP243	VRS-CY1JB102J	AA			1 kohm,1/16W
RP244	VRS-CY1JB102J	AA			1 kohm,1/16W
RP245	VRS-CY1JB102J	AA			1 kohm,1/16W
RP253	VRS-CY1JB102J	AA			1 kohm,1/16W
RP254	VRS-CY1JB750J	AA			75 ohms,1/16W
RP255	VRS-CY1JB103J	AA			10 kohm,1/16W
RP256	VRS-CY1JB750J	AA			75 ohms,1/16W
RP257	VRS-CY1JB750J	AA			75 ohms,1/16W
RP258	VRS-CY1JB750J	AA			75 ohms,1/16W
RP259	VRS-CY1JB103J	AA			10 kohm,1/16W
RP260	VRS-CY1JB103J	AA			10 kohm,1/16W
RP261	VRS-CY1JB472J	AA			4.7 kohms,1/16W
RP262	VRS-CY1JB472J	AA			4.7 kohms,1/16W
RP265	VRS-CY1JB183J	AA			18 kohms,1/16W
RP266	VRS-CY1JB183J	AA			18 kohms,1/16W
RP267	VRS-TV2AB221J	AA			220 ohms,1/10W
RP268	VRS-CY1JB102J	AA			1 kohm,1/16W
RP269	VRS-CY1JB104J	AA			100 kohm,1/16W
RP270	VRS-CY1JB104J	AA			100 kohm,1/16W
RP271	VRS-CY1JB102J	AA			1 kohm,1/16W
RP272	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
RP273	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
RP274	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
RP275	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
RP276	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
RP277	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
RP278	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
RP279	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
RP280	VRS-CY1JB331J	AA			330 ohms,1/16W
RP281	VRS-CY1JB152J	AA			1.5 kohms,1/16W
RP282	VRS-CY1JB101J	AA			100 ohm,1/16W
RP283	VRS-CY1JB222J	AA			2.2 kohms,1/16W
RP284	VRS-CY1JB103J	AA			10 kohm,1/16W
RP286	VRS-CY1JB221J	AA			220 ohms,1/16W
RP287	VRS-CY1JB472J	AA			4.7 kohms,1/16W
RP288	VRS-CY1JB472J	AA			4.7 kohms,1/16W
RP289	VRS-CY1JB472J	AA			4.7 kohms,1/16W
RP290	VRS-CY1JB103J	AA			10 kohm,1/16W
RP291	VRS-CY1JB272J	AA			2.7 kohms,1/16W
RP292	VRS-CY1JB103J	AA			10 kohm,1/16W
RP293	VRS-CY1JB104J	AA			100 kohm,1/16W
RP294	VRS-CY1JB104J	AA			100 kohm,1/16W
RP295	VRS-CY1JB272J	AA			2.7 kohms,1/16W
RP296	VRS-CY1JB101J	AA			100 ohm,1/16W
RP297	VRS-CY1JB472J	AA			4.7 kohms,1/16W
RP298	VRS-CY1JB563J	AA			56 kohms,1/16W
RP299	VRS-CY1JB563J	AA			56 kohms,1/16W
RP300	VRS-CY1JB331J	AA			330 ohms,1/16W
RP601	VRS-CY1JB683J	AA			68 kohms,1/16W
RP602	VRS-CY1JB103J	AA			10 kohm,1/16W
RP603	VRS-CY1JB103J	AA			10 kohm,1/16W
RP604	VRD-ST2CD102J	AA			1 kohm,1/6W
RP605	VRD-ST2CD102J	AA			1 kohm,1/6W
RP606	VRD-ST2CD102J	AA			1 kohm,1/6W
RP608	VRD-ST2CD103J	AA			10 kohm,1/6W
RP609	VRD-ST2CD273J	AA			27 kohms,1/6W
RP610	VRD-ST2CD103J	AA			10 kohm,1/6W
RP611	VRD-ST2CD102J	AA			1 kohm,1/6W
RP613	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
RP614	VRS-CY1JB103J	AA			10 kohm,1/16W
RP615	VRD-ST2CD102J	AA			1 kohm,1/6W
RP616	VRS-CY1JB102J	AA			1 kohm,1/16W
RP617	VRS-CY1JB103J	AA			10 kohm,1/16W
RP618	VRS-CY1JB102J	AA			1 kohm,1/16W
RP619	VRS-CY1JB103J	AA			10 kohm,1/16W
RP620	VRS-CY1JB103J	AA			10 kohm,1/16W
RP621	VRD-ST2CD102J	AA			1 kohm,1/6W
RP622	VRS-CB1JF102J	AB			1 kohm x 4
RP623	VRS-CB1JF102J	AB			1 kohm x 4
RP624	VRS-CY1JB102J	AA			1 kohm,1/16W
RP625	VRS-CY1JB224J	AA			220 kohms,1/16W
RP626	VRD-ST2CD102J	AA			1 kohm,1/6W
RP627	VRS-CY1JB821J	AA			820 ohms,1/16W
RP628	VRS-CY1JB103J	AA			10 kohm,1/16W
RP629	VRS-CB1JF102J	AB			1 kohm x 4

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[10] RESISTORS					
RP630	VRD-ST2CD104J	AA			100 kohm,1/6W
RP631	VRD-ST2CD102J	AA			1 kohm,1/6W
RP632	VRS-CY1JB102J	AA			1 kohm,1/16W
RP633	VRD-ST2CD104J	AA			100 kohm,1/6W
RP635	VRS-CY1JB683J	AA			68 kohms,1/16W
RP636	VRD-ST2CD102J	AA			1 kohm,1/6W
RP637	VRD-ST2CD102J	AA			1 kohm,1/6W
RP638	VRD-ST2CD102J	AA			1 kohm,1/6W
RP639	VRD-ST2CD102J	AA			1 kohm,1/6W
RP640	VRS-CY1JB272J	AA			2.7 kohms,1/16W
RP641	VRS-CY1JB272J	AA			2.7 kohms,1/16W
RP642	VRS-CY1JB681J	AA			680 ohms,1/16W
RP643	VRD-ST2CD104J	AA			100 kohm,1/6W
RP644	VRS-CY1JB151J	AA			150 ohms,1/16W
RP645	VRS-CY1JB151J	AA			150 ohms,1/16W
RP650	VRD-ST2CD471J	AA			470 ohms,1/6W
RP651	VRD-ST2CD471J	AA			470 ohms,1/6W
RP660	VRD-ST2CD102J	AA			1 kohm,1/6W
RP661	VRS-CY1JB152J	AA			1.5 kohms,1/16W
RP662	VRD-ST2CD102J	AA			1 kohm,1/6W
RP663	VRD-ST2CD102J	AA			1 kohm,1/6W
RP664	VRD-ST2CD102J	AA			1 kohm,1/6W
RP665	VRD-ST2CD102J	AA			1 kohm,1/6W
RP666	VRD-ST2CD102J	AA			1 kohm,1/6W
RP667	VRS-CY1JB102J	AA			1 kohm,1/16W
RP668	VRS-CB1JF102J	AB			1 kohm x 4
RP669	VRS-CB1JF102J	AB			1 kohm x 4
RP670	VRD-ST2CD102J	AA			1 kohm,1/6W
RP671	VRD-ST2CD102J	AA			1 kohm,1/6W
RP672	VRD-ST2CD102J	AA			1 kohm,1/6W
RP673	VRS-CY1JB103J	AA			10 kohm,1/16W
RP674	VRS-CY1JB821J	AA			820 ohms,1/16W
RP675	VRS-CY1JB151J	AA			150 ohms,1/16W
RP677	VRS-CY1JB390J	AA			39 ohms,1/16W
RP680	VRD-ST2CD101J	AA			100 ohm,1/6W
RP681	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
RP682	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
RP683	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
RP684	VRS-CY1JB151J	AA			150 ohms,1/16W
RP700	VRD-ST2CD102J	AA			1 kohm,1/6W
RP701	VRS-CY1JB102J	AA			1 kohm,1/16W
RP702	VRD-ST2CD102J	AA			1 kohm,1/6W
RP703	VRS-CY1JB102J	AA			1 kohm,1/16W
RP704	VRS-CY1JB102J	AA			1 kohm,1/16W
RP705	VRS-CY1JB102J	AA			1 kohm,1/16W
RP706	VRS-CY1JB102J	AA			1 kohm,1/16W
RP707	VRS-CY1JB102J	AA			1 kohm,1/16W
RP708	VRS-CY1JB102J	AA			1 kohm,1/16W
RP709	VRS-CY1JB102J	AA			1 kohm,1/16W
RP710	VRS-CY1JB102J	AA			1 kohm,1/16W
RP711	VRS-CY1JB102J	AA			1 kohm,1/16W
RP712	VRS-CY1JB102J	AA			1 kohm,1/16W
RP714	VRS-CY1JB103J	AA			10 kohm,1/16W
RP715	VRS-CY1JB103J	AA			10 kohm,1/16W
RP716	VRS-CY1JB472J	AA			4.7 kohms,1/16W
RP717	VRS-CY1JB153J	AA			15 kohms,1/16W
RP718	VRS-CY1JB682J	AA			6.8 kohms,1/16W
RP719	VRS-CY1JB153J	AA			15 kohms,1/16W
RP720	VRS-CY1JB472J	AA			4.7 kohms,1/16W
RP721	VRD-ST2CD333J	AA			33 kohms,1/6W
RP722	VRD-ST2CD103J	AA			10 kohm,1/6W
RP723	VRS-CY1JB103J	AA			10 kohm,1/16W
RP724	VRS-CY1JB102J	AA			1 kohm,1/16W
RP725	VRS-CY1JB103J	AA			10 kohm,1/16W
RP730	VRS-CY1JB473J	AA			47 kohms,1/16W
RP731	VRS-CY1JB103J	AA			10 kohm,1/16W
RP732	VRS-CY1JB122J	AA			1.2 kohms,1/16W
RP734	VRS-CY1JB393J	AA			39 kohms,1/16W
RP735	VRS-CY1JB103J	AA			10 kohm,1/16W
RP736	VRS-CY1JB103J	AA			10 kohm,1/16W
RP737	VRS-CY1JB393J	AA			39 kohms,1/16W
RP738	VRS-CY1JB103J	AA			10 kohm,1/16W
RP739	VRS-CY1JB393J	AA			39 kohms,1/16W
RP740	VRS-CY1JB393J	AA			39 kohms,1/16W
RP741	VRS-CY1JB332J	AA			3.3 kohms,1/16W
RP743	VRS-CY1JB332J	AA			3.3 kohms,1/16W
RP744	VRS-CY1JB332J	AA			3.3 kohms,1/16W
RP745	VRD-ST2CD332J	AA			3.3 kohms,1/6W
RP748	VRS-CY1JB103J	AA			10 kohm,1/16W
RP780	VRS-CY1JB181J	AA			180 ohms,1/16W
RP781	VRS-CY1JB181J	AA			180 ohms,1/16W
RP782	VRS-CY1JB273J	AA			27 kohms,1/16W
RP783	VRS-CY1JB181J	AA			180 ohms,1/16W
RP784	VRS-CY1JB103J	AA			10 kohm,1/16W
RP785	VRS-CY1JB181J	AA			180 ohms,1/16W

NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[10] RESISTORS					
RP786	VRS-CY1JB562J	AA			5.6 kohms,1/16W
RP787	VRS-CY1JB181J	AA			180 ohms,1/16W
RP788	VRS-CY1JB332J	AA			3.3 kohms,1/16W
RP789	VRD-ST2CD101J	AA			100 ohm,1/6W
RP790	VRS-CY1JB182J	AA			1.8 kohms,1/16W
RP791	VRS-CY1JB222J	AA			2.2 kohms,1/16W
RP792	VRS-CY1JB332J	AA			3.3 kohms,1/16W
RP793	VRS-CY1JB562J	AA			5.6 kohms,1/16W
RP794	VRS-CY1JB103J	AA			10 kohm,1/16W
RP795	VRS-CY1JB273J	AA			27 kohms,1/16W
RP796	VRS-CY1JB182J	AA			1.8 kohms,1/16W
RP797	VRS-CY1JB222J	AA			2.2 kohms,1/16W
RP798	VRD-ST2CD221J	AA			220 ohms,1/6W
RP799	VRS-CY1JB221J	AA			220 ohms,1/16W
RP800	VRS-CY1JB221J	AA			220 ohms,1/16W
RP801	VRD-ST2CD221J	AA			220 ohms,1/6W
RP802	VRS-CY1JB103J	AA			10 kohm,1/16W
RP803	VRS-CY1JB122J	AA			1.2 kohms,1/16W
RP804	VRS-CY1JB122J	AA			1.2 kohms,1/16W
RP805	VRS-CY1JB122J	AA			1.2 kohms,1/16W
RP806	VRS-CY1JB103J	AA			10 kohm,1/16W
RP807	VRD-ST2CD103J	AA			10 kohm,1/6W
RP808	VRD-ST2CD103J	AA			10 kohm,1/6W
RP809	VRS-CY1JB393J	AA			39 kohms,1/16W
RP810	VRS-CY1JB103J	AA			10 kohm,1/16W
RP811	VRS-CY1JB393J	AA			39 kohms,1/16W
RP812	VRS-CY1JB103J	AA			10 kohm,1/16W
RP813	VRS-CY1JB000J	AA			0 ohm,Jumper,0.8x1.55mm,Green
RT24	VRS-CY1JB563J	AA			56 kohms,1/16W
RT25	VRS-CY1JB103J	AA			10 kohm,1/16W
RT26	VRS-CY1JB563J	AA			56 kohms,1/16W
RT27	VRS-CY1JB102J	AA			1 kohm,1/16W
RT28	VRS-CY1JB222J	AA			2.2 kohms,1/16W
RT29	VRS-CY1JB102J	AA			1 kohm,1/16W
RT30	VRS-CY1JB102J	AA			1 kohm,1/16W
RT31	VRS-CY1JB103J	AA			10 kohm,1/16W
RT32	VRS-CY1JB103J	AA			10 kohm,1/16W
RT33	VRS-CY1JB103J	AA			10 kohm,1/16W
RT34	VRS-CY1JB392J	AA			3.9 kohms,1/16W
[11] OTHER CIRCUITRY PARTS					
Bi201	QCNWNA166AWPZ	AD			Connector Ass'y,2/2Pin with CNS701
Bi730	QCNWNA200AWPZ	AD			Connector Ass'y,2/2Pin with CNSP730
Bi804	QCNWNA161AWPZ	AF			Connector Ass'y,5/4Pin with CNS403
Bi905	QCNWNA158AWPZ	AF			Connector Ass'y,5/4Pin with CNSA401
Bi906	QCNWNA159AWPZ	AH			Connector Ass'y,5/5Pin with CNSA402
BiA102	QCNWNA160AWPZ	AH			Connector Ass'y,4/4Pin with CNSA803
BiA201	QCNWNA165AWPZ	AH			Connector Ass'y,14/13Pin with CNS500
BiA202	QCNWNA164AWPZ	AK			Connector Ass'y,4/4Pin with CNSA801
BiA302	QCNWNA162AWPZ	AH			Connector Ass'y,4/4Pin with CNSA802
BiP101	QCNWNA319AWPZ				Connector Ass'y,8/7Pin with CNSP101
BiP200	QCNWNA201AWPZ				Connector Ass'y,14/13Pin with CNSP200
BiP201	QCNWNA321AWPZ				Connector Ass'y,2/2Pin with CNSP201
BiP600	QCNWNA197AWPZ	AE			Connector Ass'y,6/5Pin with CNSP781
BiP601	QCNWNA196AWPZ	AG			Connector Ass'y,11/10Pin with CNSP780
BiP602	QCNWNA188AWPZ	AF			Connector Ass'y,7/6Pin with CNSP202
BiP603	QCNWNA189AWPZ	AH			Connector Ass'y,15/14Pin with CNSP203
BiP604	QCNWNA078AWPZ	AC			Lug Wire
BiP700	QCNWNA198AWPZ	AK			Connector Ass'y,9/8Pin with CNS6
BiP703	QCNWNA320AWPZ				Connector Ass'y,6/5Pin with CNSP703
BiP740	QCNWNA199AWPZ	AK			Connector Ass'y,10/9Pin with CNS8
CNP6	QCNCMA016AW08	AE			Plug,8Pin
CNP8	QCNCMA016AW09	AE			Plug,9Pin
CNP9	QCNCMA015AW05	AD			Plug,5Pin
CNP401	92LCONE3P53253	AB			Plug,3Pin
CNP403	92LCONE4P53253	AB			Plug,4Pin
CNP500	92LCONEDP53253	AE			Plug,13Pin
CNP502	92LCONE9P53253	AC			Plug,9Pin
CNP503	92LCONE6P53253	AC			Plug,6Pin
CNP506	QCNCWZX11AWZZ	AC			Socket,11Pin
CNP701	92LCONE2P53253	AB			Plug,2Pin
CNP704	QCNCW060HAWZZ	AE			Plug,8Pin
⚠ CNP901	QCNCM049BAWZZ	AC			Plug,2Pin
CNP903	92LCONEFP53253	AE			Plug,15Pin
CNPA401	92LCONE4P53253	AB			Plug,4Pin
CNPA402	QCNCM050EAWZZ	AD			Plug,5Pin
CNPA801	QCNCM050DAWZZ	AC			Plug,4Pin
CNPA802	QCNCM050DAWZZ	AC			Plug,4Pin
CNPA803	QCNCM050DAWZZ	AC			Plug,4Pin
CNPP100	QCNCW010PAWZZ	AE			Socket,14Pin
CNPP202	92LCONE6P53253	AC			Plug,6Pin
CNPP203	92LCONEEP53253	AE			Plug,14Pin
CNPP204	QCNCM010PAWZZ	AD			Plug,14Pin
CNPP205	QCNCMA011AWZZ	AT			System Control Terminal,20Pin
CNPP660	QCNCWYW18AWZZ	AE			Socket,18Pin

	NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
	[11] OTHER CIRCUITRY PARTS					
	CNPP704	QCNCW060HAWZZ	AE			Plug,8Pin
	CNPP730	92LCONE2P53253	AB			Plug,2Pin
	CNPP780	92LCONEAP53254	AD			Plug,10Pin
	CNPP781	92LCONE5P53254	AB			Plug,5Pin
	CNS2	QCNWNA178AWPZ	AG			Connector Ass'y,6/6Pin with CNS2A
	CNS9	QCNWNA244AWPZ	AH			Connector Ass'y,5/3Pin with CNS1
	CNS101	QCNCMA011AWZZ	AT			System Control Terminal,20Pin
	CNS903	QCNWNA163AWPZ	AL			Connector Ass'y,15/9/6Pin with CNS502/CNS503
⚠	F901	QFS-C402AAWNL	AD			T4A L 250V
	FFC506	QCNWN2525AWZZ	AC			Flat Cable,11Pin
	H1	VHPGP1S094HCZ	AF			Photo Interrupter
	H2	VHPGP1S094HCZ	AF			Photo Interrupter
	H3	VHPGP1S094HCZ	AF			Photo Interrupter
	H4	VHPSG233///-1	AE			Photo Interrupter
	H5	VHPSG233///-1	AE			Photo Interrupter
	H6	VHPGP2S40//-1	AL			Photo Interrupter
	JK101	QSOCJA015AWZZ	AF			Jack,Audio
	JK106	QJAKM0004AWZZ	AK			Jack,Headphones
	JKP200	QSOCZA003AWZZ	AF			Jack,Video/S-Video
	JKP201	QSOCJA008AWZZ	AD			Jack,Component
	JKP202	QSOCJA017AWZZ	AC			Jack,Component
	LCDP701	RV-LXA001AWZZ	BB			LCD
	LG105	QLUGP0001AWZZ	AC			Lug
	LGA100	QLUGP0001AWZZ	AC			Lug
	LUG1	QLUGP0001AWZZ	AC			Lug
	LUG2	QLUGP0001AWZZ	AC			Lug
	LUG501	QLUGP0001AWZZ	AC			Lug
	LUG502	QLUGP0001AWZZ	AC			Lug
	LUG503	QLUGP0001AWZZ	AC			Lug
	LUG504	QLUGP0001AWZZ	AC			Lug
	LUG505	QLUGP0001AWZZ	AC			Lug
	LUGP100	QLUGP0001AWZZ	AC			Lug
	M1	RMOTV0043AWZZ	AN			Drum Motor
	M2	RMOTV0043AWZZ	AN			Mode Motor
	M401	RMOTV0058AWZZ	AV			Motor,Air Cooling Fan with CNS401
⚠	PC901	RH-FX0008GEZZ	AE			Photocoupler
⚠	PC902	RH-FX0008GEZZ	AE			Photocoupler
	PHP650	QSW-ZA004AWZZ	AP			Tilt Sensor [Horizontal]
	PHP651	QSW-ZA003AWZZ	AP			Tilt Sensor [Vertical]
	RL897	RRLYD0016AWZZ	AH			Relay
	RL898	RRLYD0016AWZZ	AH			Relay
	RL899	RRLYD0016AWZZ	AH			Relay
	RX101	VHPGP1FA53R-1	AL			Optical Digital Input,GP1FA53R
	RXP680	VHLK713TC2E-1	AG			Remote Sensor,K713TC2E
	RXP780	VHLK713TC2E-1	AG			Remote Sensor,K713TC2E
	SO102	QSOCJA016AWZZ	AC			Jack,Coaxial Digital Input
	SO103	QSOCJA011AWZZ	AC			Jack,Subwoofer Pre Out
	SO801	QTANZA006AWZZ	AH			Terminal,Speaker
	SOP200	QSOCZA004AWZZ	AH			Terminal,SCART
	SW2	QSW-M0007AWZZ	AD			Switch,Push Type [Disc Play Position]
	SW4	QSW-M0007AWZZ	AD			Switch,Push Type [Mode Cam Home Position]
	SW5	QSW-M0007AWZZ	AD			Switch,Push Type [Disc Stock Position]
	SW7	QSW-M0012AWZZ	AM			Switch,Leaf Type [Drum Cam Overrun]
	SWP1	QSW-SA002AWZZ	AD			Switch,Slide Type [Component Video Output/SCART Output Selector]
	SWP780	92LSWiCHT1663T	AC			Switch,Key Type [Disc5]
	SWP781	92LSWiCHT1663T	AC			Switch,Key Type [Disc4]
	SWP782	92LSWiCHT1663T	AC			Switch,Key Type [Disc3]
	SWP783	92LSWiCHT1663T	AC			Switch,Key Type [Disc2]
	SWP784	92LSWiCHT1663T	AC			Switch,Key Type [Disc1]
	SWP785	92LSWiCHT1663T	AC			Switch,Key Type [Stop]
	SWP786	92LSWiCHT1663T	AC			Switch,Key Type [F FWD]
	SWP787	92LSWiCHT1663T	AC			Switch,Key Type [Play]
	SWP788	92LSWiCHT1663T	AC			Switch,Key Type [Rewind]
	SWP789	92LSWiCHT1663T	AC			Switch,Key Type [Volume Down]
	SWP790	92LSWiCHT1663T	AC			Switch,Key Type [Volume Up]
	SWP791	92LSWiCHT1663T	AC			Switch,Key Type [Tuner (Band)]
	SWP792	92LSWiCHT1663T	AC			Switch,Key Type [Function]
	SWP793	92LSWiCHT1663T	AC			Switch,Key Type [Open/Close]
	SWP794	92LSWiCHT1663T	AC			Switch,Key Type [Power]
	TUN1	RTUNS0031AWZZ	BD			Tuner Unit
	TX101	VHPGP1FA53T-1	AK			Optical Digital Output,GP1FA53T
⚠	VA901	VHVTN10V471-1	AE			Varistor/Surge Absorber,10V471

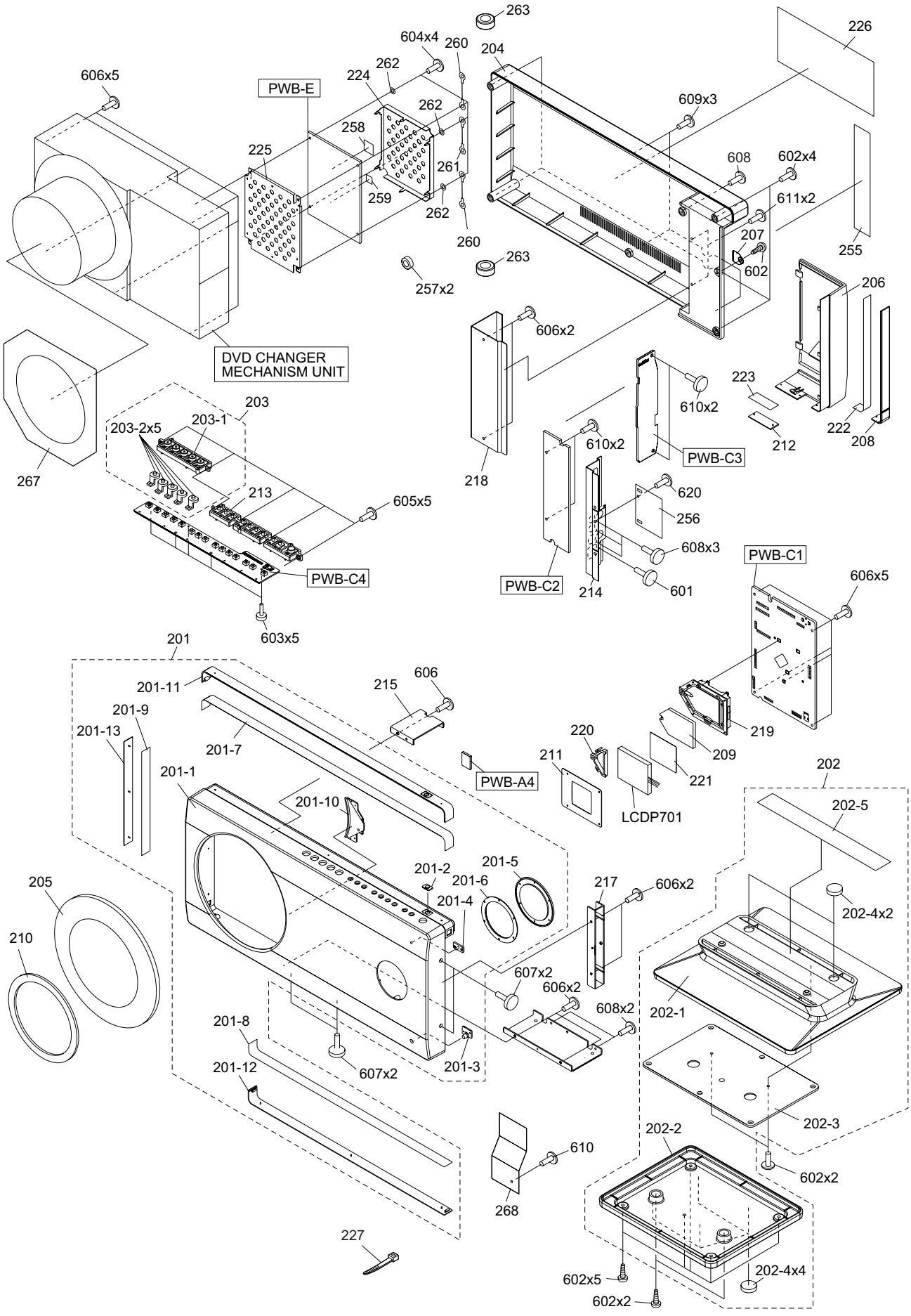
[12] DVD CHANGER MECHANISM PARTS



NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[12] DVD CHANGER MECHANISM PARTS					
101	LANGGA003AWZZ	AD			Arm,Select Motor
102	LANGGA004AWZZ	AD			Bracket,Lift
103	LANGKA038AWZZ	AC			Bracket,Select Motor
104	LCHSMA022AWZZ	AN			Chassis,Base
105	LHLDMA002AWZZ	AC			Stabilizer
106	LHLDZA028AWZZ	AE			Holder,Mechanism
107	LHLDZA029AWZZ	AM			Magazine
108	LHLDZA030AWZZ	AM			Hood
109	LHLDZA031AWZZ	AC			Holder,Roller
110	LHLDZA033AWZZ	AE			Disc Tray
111	LHLDZA034AWZZ	AE			Disc Select Tray
112	LHLDZA035AWZZ	AB			Holder,Shutter Switch
113	LPLTMA006AWFW	AG			Plate,Wire
114	LPLTMA007AWFW	AF			Bracket,Motor Support
115	LPLTPA001AWZZ	AG			Plate,Partition
116	LPLTPA003AWZZ	AL			Plate,Top
117	MCAMPA001AWZZ	AM			Drum Cam Body
118	MCAMPA002AWZZ	AK			Gear,Drum Cam
119	MCAMPA003AWZZ	AF			Cam Gear,Mode Disc
120	MLEVPA004AWZZ	AC			Arm,Hood Lock
121	MLEVPA005AWZZ	AF			Eject Link,A
122	MLEVPA006AWZZ	AE			Eject Link,B
123	MLEVPA008AWZZ	AB			Arm,Eject Lock
124	MLEVPA009AWZZ	AD			Arm,Eject Link
125	MLEVPA010AWZZ	AC			Eject Link,C
126	MLEVPA011AWZZ	AC			Eject Link,D
127	MLEVPA012AWZZ	AB			Arm,M/C Reset
128	MLEVPA013AWZZ	AC			Arm,Trigger
129	MLEVPA015AWZZ	AC			Arm,Slide Link
130	MLEVPA016AWZZ	AC			Arm,Select Lock
131	MLEVPA018AWZZ	AD			Arm,Trigger,B
132	MLEVPA019AWZZ	AD			Plate,Roller Control,B
133	MLEVPA020AWZZ	AD			Plate,Slide
134	MLEVPA022AWZZ	AC			Plate,Select Lock
135	MLEVPA023AWZZ	AC			Arm,Roller Control
136	MLEVPA024AWZZ	AD			Plate,Roller Control,T
137	MLEVPA025AWZZ	AF			Shutter
138	MLEVPA030AWZZ	AC			Holder,Hood Coupling
139	MLEVPA031AWZZ	AC			Lever,HC Push
140	MLEVPA034AWZZ	AC			Pin,Hood Coupling
141	MLEVPA035AWZZ	AL			Bracket,Hood Lift Cam
142	MLEVPA036AWZZ	AF			Lever,Switching
143	MLEVPA037AWZZ	AF			Arm,Switch Lever Lift
144	MLEVPA038AWZZ	AD			Lever,Direction Select
145	MLEVPA040AWZZ	AC			Lever,Stabilizer Up Joint
146	MLEVPA041AWZZ	AC			Lever,Stabilizer Up
147	MLEVPA042AWZZ	AC			Arm,Disc Hold
148	MLEVPA043AWZZ	AE			Arm,Disc Tray
149	MLEVPA044AWZZ	AD			Arm,Disc Loading Switch
150	MLEVPA045AWZZ	AC			Holder,Sensor
151	MLEVPA046AWZZ	AD			Arm,Dram Cam Lock
152	MSPRCA005AWFJ	AA			Spring,Hood Coupling Pin
153	MSPRCA006AWFJ	AA			Spring,HC Push Lever
154	MSPRCA007AWFJ	AC			Spring,Disc Select Tray
155	MSPRDA008AWFJ	AA			Spring,Stabilizer Up Lever
156	MSPRDA012AWFJ	AA			Spring,Trigger Arm
157	MSPRDA013AWFJ	AA			Spring,Disc Tray Arm
158	MSPRDA014AWFJ	AA			Spring,Hood Lock Arm
159	MSPRDA015AWFJ	AA			Spring,Disc Holder Arm
160	MSPRDA016AWFJ	AB			Spring,Hood Lock
161	MSPRTA004AWFJ	AC			Spring,Eject Link C
162	MSPRTA005AWFJ	AA			Spring,Eject Lock Arm
163	MSPRTA006AWFJ	AB			Spring,Dram Cam Lock Arm
164	MSPRTA008AWFJ	AC			Spring,Eject Link A
165	MSPRTA010AWFJ	AB			Spring,Select Lock Plate
166	MSPRTA011AWFJ	AB			Spring,Roller
167	MSPRTA012AWFJ	AB			Spring,Shutter
168	MSPRTA016AWFJ	AB			Spring,M/C Reset Arm
169	MSPRTA017AWFJ	AB			Spring,Switch Lever Lift Arm
170	MSPRTA018AWFJ	AA			Spring,Direction Select Lever
171	MSPRTA020AWFJ	AB			Spring,Disc L Arm
172	MSPRTA021AWFJ	AB			Spring,Hood Coupling Holder
173	NBLTKA001AWZZ	AF			Belt
174	NGERHA009AWZZ	AC			Gear,Select Pinion
175	NGERHA010AWZZ	AB			Gear,Roller Idle,1
176	NGERHA011AWZZ	AD			Gear,Roller Idle,2
177	NGERHA012AWZZ	AC			Gear,Roller
178	NGERHA013AWZZ	AD			Gear,Roller Input
179	NGERHA014AWZZ	AD			Mode Pinion
180	NGERHA015AWZZ	AF			Gear,Select Triple,1
181	NGERHA016AWZZ	AD			Gear,Double Worm,1
182	NGERWA003AWZZ	AE			Gear,Select Motor
183	NGERWA004AWZZ	AE			Gear,Select Double
184	NGERWA006AWZZ	AE			Gear,Double Worm,2
185	NGERWA007AWZZ	AF			Gear,Mode Double

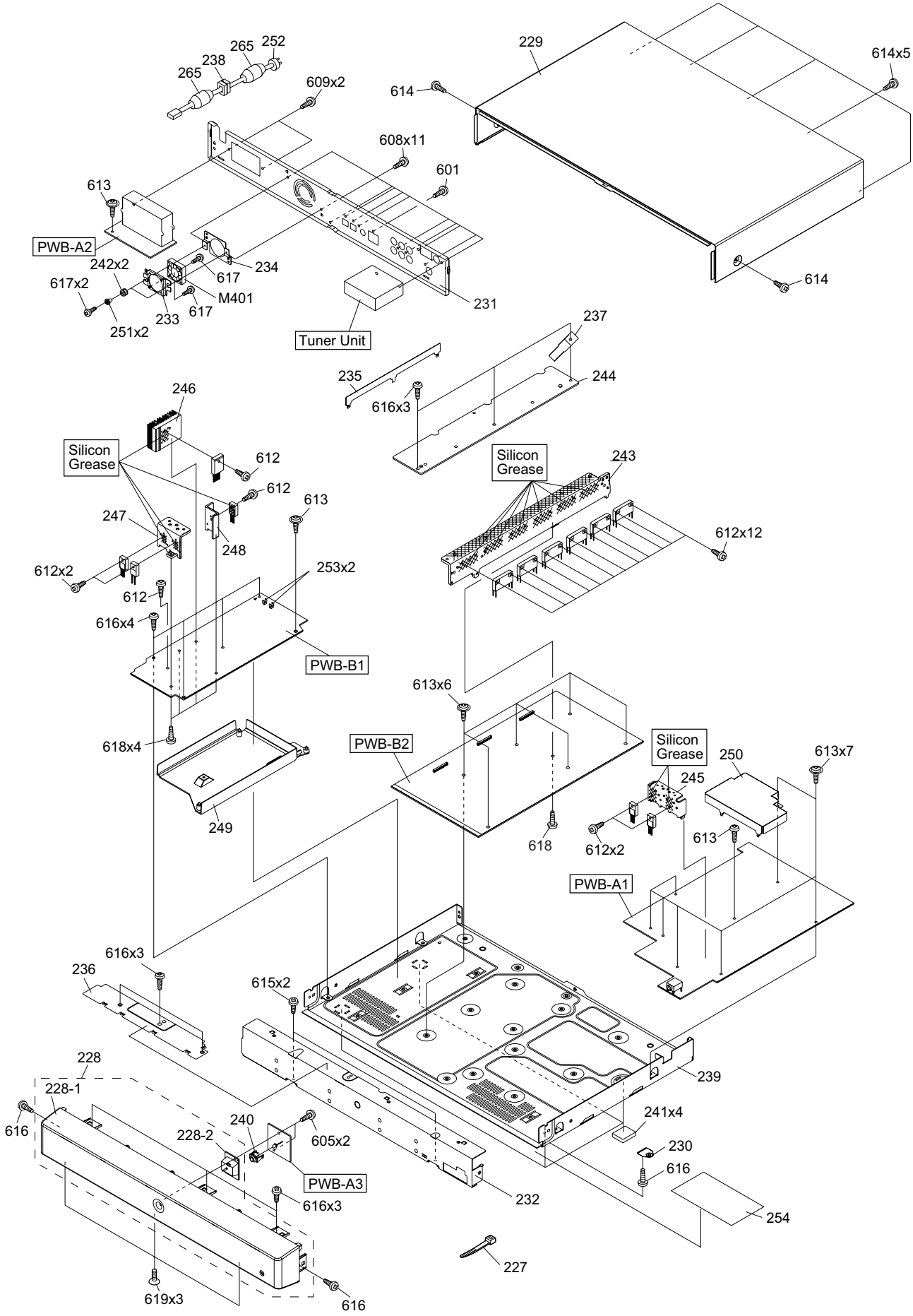
NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[12] DVD CHANGER MECHANISM PARTS					
186	NGERWA008AWZZ	AF			Gear,Roller
187	NGERWA009AWZZ	AE			Gear,Select Triple,2
189	NSFTTA003AWFD	AD			Shaft,Select Triple Gear
190	NSFTTA004AWFD	AE			Shaft,Double Worm Gear
191	NSFTTA005AWF7	AC			Shaft,Roller Holder
192	PCOVPA004AWZZ	AD			Cover,M/C Motor
193	PCUSGA030AWSA	AC			Cushion,DVD
194	PCUSGA031AWSA	AC			Cushion,Roller
195	PGiDMA001AWZZ	AD			Disc Guide,Bottom
196	PGiDMA002AWZZ	AD			Disc Guide,Top
197	PMAGF0007AWZZ	AD			Magnet
198	PSHEPA024AWZZ	AG			Disc Curtain
199	PSHEZA066AWZZ	AC			Reflector
200	92LSUPT1749D	AA			Bracket,Magnet
201	DVDMECA5880ASY	BK			DVD Mechanism
202	PFLT-A014AWZZ	AB			Rubber Felt
203	PSHEGA006AWZZ	AD			Sheet,Rim
204	PFLT-A015AWZZ	AA			Felt
501	LX-BZA026AWF7	AB			Screw,M2x3mm
502	LX-BZA027AWF7	AC			Screw,M2.6x10mm
503	LX-EZA007AWF7	AB			Screw,M2.6x8mm
505	LX-WZ9064AFZZ	AA			Washer,M1.5xM3.8x0.5mm
506	XBBY720P05000	AA			Screw,M2x5mm
507	XEBY720P06000	AA			Screw,M2x6mm
508	XEBY720P08000	AA			Screw,M2x8mm
510	LX-EZ0038AWF7				Screw,M2x9mm
511	XEBY720P12000	AA			Screw,M2x12mm
512	LX-EZ0039AWF7				Screw,M2x7mm
M1	RMOTV0043AWZZ	AN			Drum Motor
M2	RMOTV0043AWZZ	AN			Mode Motor
SW2	QSW-M0007AWZZ	AD			Switch,Push Type [Disc Play Position]
SW4	QSW-M0007AWZZ	AD			Switch,Push Type [Mode Cam Home Position]
SW5	QSW-M0007AWZZ	AD			Switch,Push Type [Disc Stock Position]
SW7	QSW-M0012AWZZ	AM			Switch,Leaf Type [Drum Cam Overrun]

[13] CABINET PARTS (MAIN UNIT)



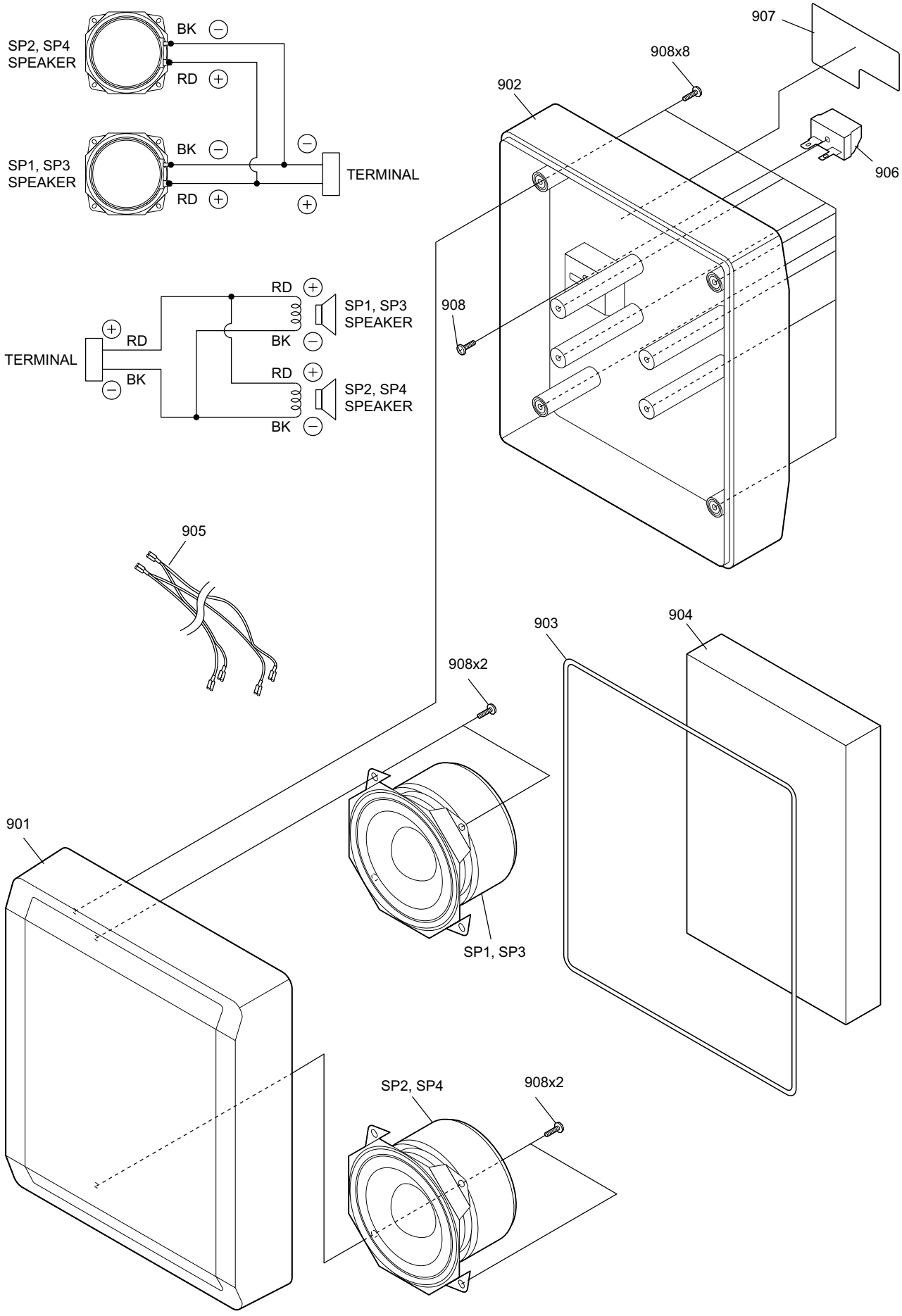
NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[13] CABINET PARTS (MAIN UNIT)					
201	CCABA5888AW02				Front Cabinet Ass'y
201- 1	--------	-			Front Panel (Not Replacement Item)
201- 2	HDECQA095AWSA	AC			Cover,Remote Sensor,A
201- 3	HDECQA096AWSA	AC			Cover,Remote Sensor,B
201- 4	HDECQA107AWSA	AB			Cover,LED
201- 5	HDECQA101AWSA	AE			Decoration Panel,LCD
201- 6	HDECQA103AWSA	AL			LCD Ring
201- 7	PSHEZA056AWZZ	AD			Sheet,Decoration Cover A
201- 8	PSHEZA057AWZZ	AD			Sheet,Decoration Cover B
201- 9	PSHEZA058AWZZ	AC			Sheet,Decoration Cover C
201-10	HDECQA116AWSA	AD			Decoration Plate,CD Lighting
201-11	HDECQA133AWSA	AG			Decoration Cover,A
201-12	HDECQA098AWSA	AE			Decoration Cover,B
201-13	HDECQA099AWSA	AC			Decoration Cover,C
202	92LSTD5880ASY1	AX			Stand,Ass'y
202- 1	GLEGPA003AWSA	AM			Stand,Top
202- 2	GLEGPA005AWSA	AH			Stand,Bottom
202- 3	LANGKA034AWFW	AR			Bracket,Stand
202- 4	PCUSGA037AWZZ	AB			Leg Cushion,Stand
202- 5	PFLT-A017AWZZ	AB			Felt,Stand
203	KNOB5880ASY1	AH			Disc No. Button Ass'y
203- 1	JKNBZA064AWSA	AE			Button,Disc No.
203- 2	HDECQA108AWSA	AB			Cover,LED
204	GCABBA022AWSA	AU			Rear Cabinet
205	GCOVAA071AWSA	AM			CD Cover
206	GCOVAA072AWSA	AM			Cover,Terminal
207	GCOVD1006AWSA	AH			Cover,Terminal
208	HDECQA100AWSA	AC			Decoration Cover,D
209	HDECQA102AWSA	AE			LCD Panel
210	HDECQA104AWSA	AQ			CD Ring
211	HDECQA105AWSA	AE			Lighting Plate
212	HDECQA106AWSA	AC			Decoration Cover,E
213	JKNBZA063AWSA	AH			Button,Function
214	LANGKA042AWFW	AH			Bracket,Terminal
215	LANGKA031AWFW	AC			Bracket,Support,Top
216	LANGKA032AWFW	AF			Bracket,Support,Bottom
217	LANGKA033AWFW	AE			Bracket,Support,Side
218	LCHSMA016AWFW	AK			Main Chassis
219	LHLDZA025AWSA	AD			Holder,LCD,A
220	LHLDZA026AWSA	AD			Holder,LCD,B
221	PSHEPA022AWZZ	AD			Sheet,Diffusion,B
222	PSHEZA059AWZZ	AC			Sheet,Decoration Cover D
223	PSHEZA060AWZZ	AB			Sheet,Decoration Cover E
224	PSLDMA040AWFW	AF			Shield Plate,Top
225	PSLDMA041AWFW	AF			Shield Plate,Bottom
226	TSPC-A286AWZZ				Label,Specifications [Except for U.K.]
226	TSPC-A288AWZZ				Label,Specifications [For U.K.]
227	92LNBAND1318A	AA			Nylon Band,80mm
255	TLABZA194AWZZ				Label,Terminal
256	LANGZA009AWFW	AD			Bracket,Support Chassis
258	PCUSGA045AWZZ	AC			Heat Sheet,B
259	PCUSGA046AWZZ	AD			Heat Sheet,A
260	QCNWNA279AWPZ	AD			Lug Wire
261	QCNWNA281AWPZ	AF			Lug Wire
262	PSLDCA001AWZZ	AC			Copper Sheet,B
263	RCORF0024AWZZ	AD			Core
267	PSHEPA038AWZZ				Disc Curtain
268	LANGZA012AWFW				Bracker,EMC,B
601	XBBSN26P10000	AB			Screw,M2.6x10mm
602	XEBSN30P10000	AA			Screw,M3x10mm
603	XEBY726P06000	AA			Screw,M2.6x6mm
604	XEBY726P08000	AA			Screw,M2.6x8mm
605	XEBY726P10000	AA			Screw,M2.6x10mm
606	XEBY730P10000	AA			Screw,M3x10mm
607	XHSSN30P10000	AA			Screw,M3x10mm
608	XJBSN30P08000	AA			Screw,M3x8mm
609	XJBSN30P10000	AA			Screw,M3x10mm
610	XJBY730P10000	AA			Screw,M3x10mm
611	XJSSN30P10000	AA			Screw,M3x10mm
620	XJBY730P06000	AA			Screw,M3x6mm

[14] CABINET PARTS (AMP UNIT)



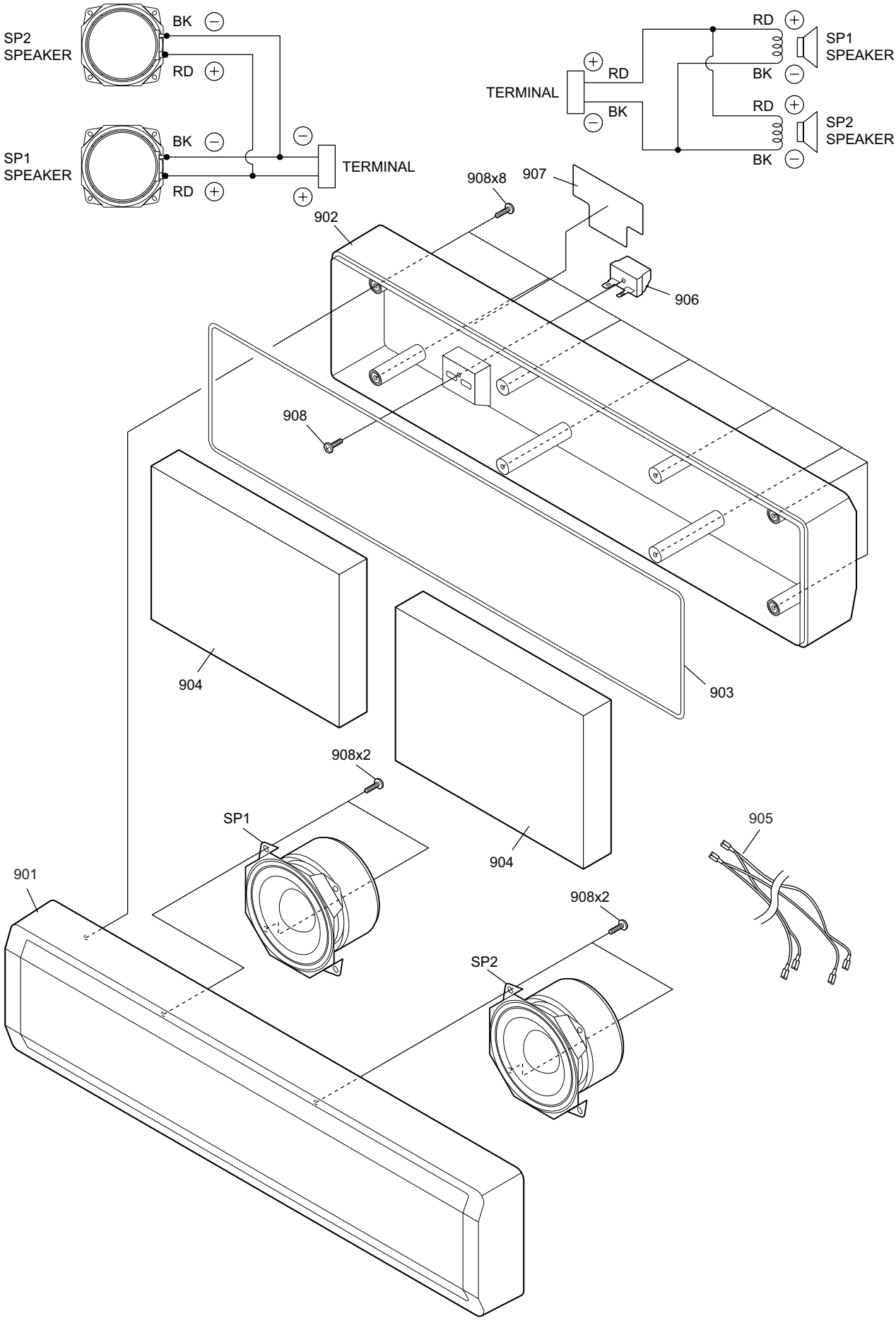
	NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
	[14] CABINET PARTS (AMP UNIT)					
	227	92LNBAND1318A	AA			Nylon Band,80mm
	228	CCABA5888AW01				Front Cabinet Ass'y
	228- 1	--------	-			Front Panel (Not Replacement Item)
	228- 2	HDECQA094AWSA	AC			Power Indicator,Top
	229	GCAB-A018AWSA	AX			Top Cabinet
	230	GCOVD1006AWSA	AH			Cover,Terminal
	231	GiTARA229AWSA	AN			Rear Panel
	232	LANGKA028AWFW	AL			Bracket,Front
	233	LANGK0402AWFW	AE			Bracket,Fan Support,A
	234	LANGK0403AWFW	AE			Bracket,Fan Support,B
	235	LANGQ0015AWZZ	AE			Bracket,1-Bit Power Conductor
	236	LANGZA008AWFW	AD			Bracket,DAV EMC
	237	LANGZ0073AWFW	AD			Bracket,EMC
	238	LBSHC0002AWZZ	AD			Bushing,AC Power Supply Cord
	239	LCHSMA015AWFW	AT			Main Chassis
	240	LHLDZ9012AWZZ	AD			Holder,Timer LED
	241	PCUSG0022AWZZ	AB			Leg Cushion
	242	PCUSG0095AWZZ	AD			Cushion
	243	PRDARA045AWFW	AM			Heat Sink,1-Bit,A
	244	PRDARA046AWFW	AL			Heat Sink,1-Bit,B
	245	PRDARA047AWFW	AG			Heat Sink,B
	246	PRDARA069AWFW				Heat Sink,C
	247	PRDARA049AWFW	AG			Heat Sink,D
	248	PRDARA050AWFW	AD			Heat Sink,E
	249	PSHEPA020AWZZ	AF			Sheet,Insulator
	250	PSLDMA039AWFW	AF			Shield,DSP
	251	PSPAZ0039AWZZ	AC			Spacer
⚠	252	QACCB0014AW00	AU			AC Power Supply Cord with CNS901
⚠	252	QACCE0015AW00	AK			AC Power Supply Cord with CNS901
⚠	253	QFSHD0001AWZZ	AB			Holder,Fuse
	254	TSPC-A285AWZZ				Label,Specifications [Except for U.K.]
	254	TSPC-A287AWZZ				Label,Specifications [For U.K.]
	265	RCORF0018AWZZ	AG			Core
	601	XBBSN26P10000	AB			Screw,M2.6x10mm
	605	XEBY726P10000	AA			Screw,M2.6x10mm
	608	XJBSN30P08000	AA			Screw,M3x8mm
	609	XJBSN30P10000	AA			Screw,M3x10mm
	612	LX-JZ0036AWF7	AC			Screw,M3x12mm
	613	LX-JZ0047AWF7	AB			Screw,M3x8mm
	614	LX-JZ0172AFFN	AB			Screw,M3x10mm
	615	XJBY730P06000	AA			Screw,M3x6mm
	616	XJBY730P08000	AA			Screw,M3x8mm
	617	XJBY730P16000	AB			Screw,M3x16mm
	618	XJBY830P08000	AB			Screw,M3x8mm
	619	XJSY730P08000	AA			Screw,M3x8mm

[15] FRONT SPEAKER BOX PARTS



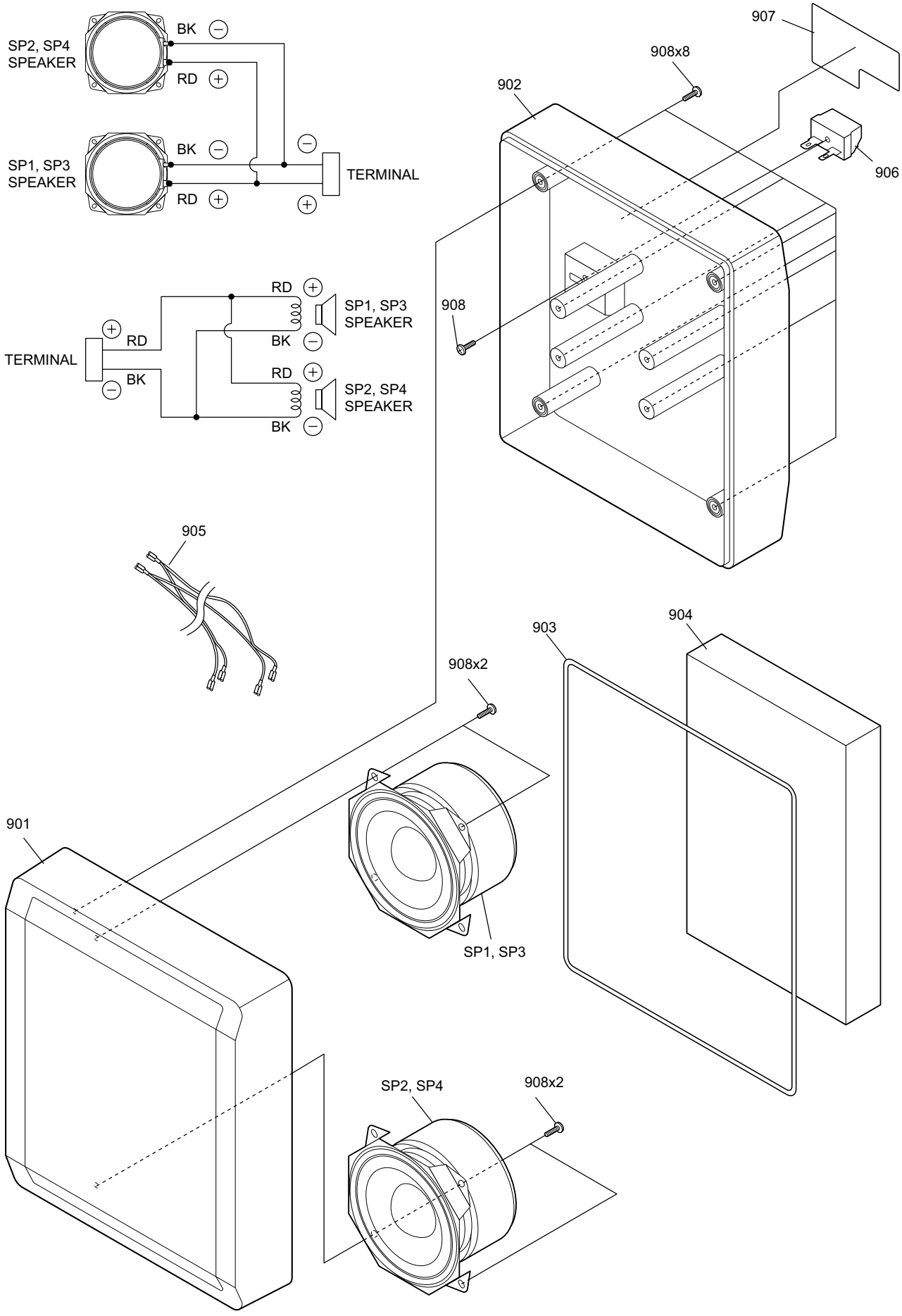
NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[15] FRONT SPEAKER BOX PARTS					
901	CPNLSA024AW01	AY			Front Cabinet Ass'y,Right
901	CPNLSA027AW01	AY			Front Cabinet Ass'y,Left
902	GCAB-A021AW01	AT			Rear Cabinet Ass'y,Right
902	GCAB-A023AW01	AT			Rear Cabinet Ass'y,Left
903	PFLT-A009AWZZ	AF			Felt
904	PKYU-A013AWZZ	AG			Absorber
905	QCNWNA221AWZZ	AN			Lead Wire
906	QTANAA003AWZZ	AH			Terminal
907	TSPC-A301AWZZ				Label,Specifications,Right
907	TSPC-A302AWZZ				Label,Specifications,Left
908	XEBSN30P12000	AA			Screw,M3x12mm
SP1	RSP-ZA069AWZZ	AY			Speaker
SP2	RSP-ZA069AWZZ	AY			Speaker
SP3	RSP-ZA069AWZZ	AY			Speaker
SP4	RSP-ZA069AWZZ	AY			Speaker

[16] CENTER SPEAKER BOX PARTS



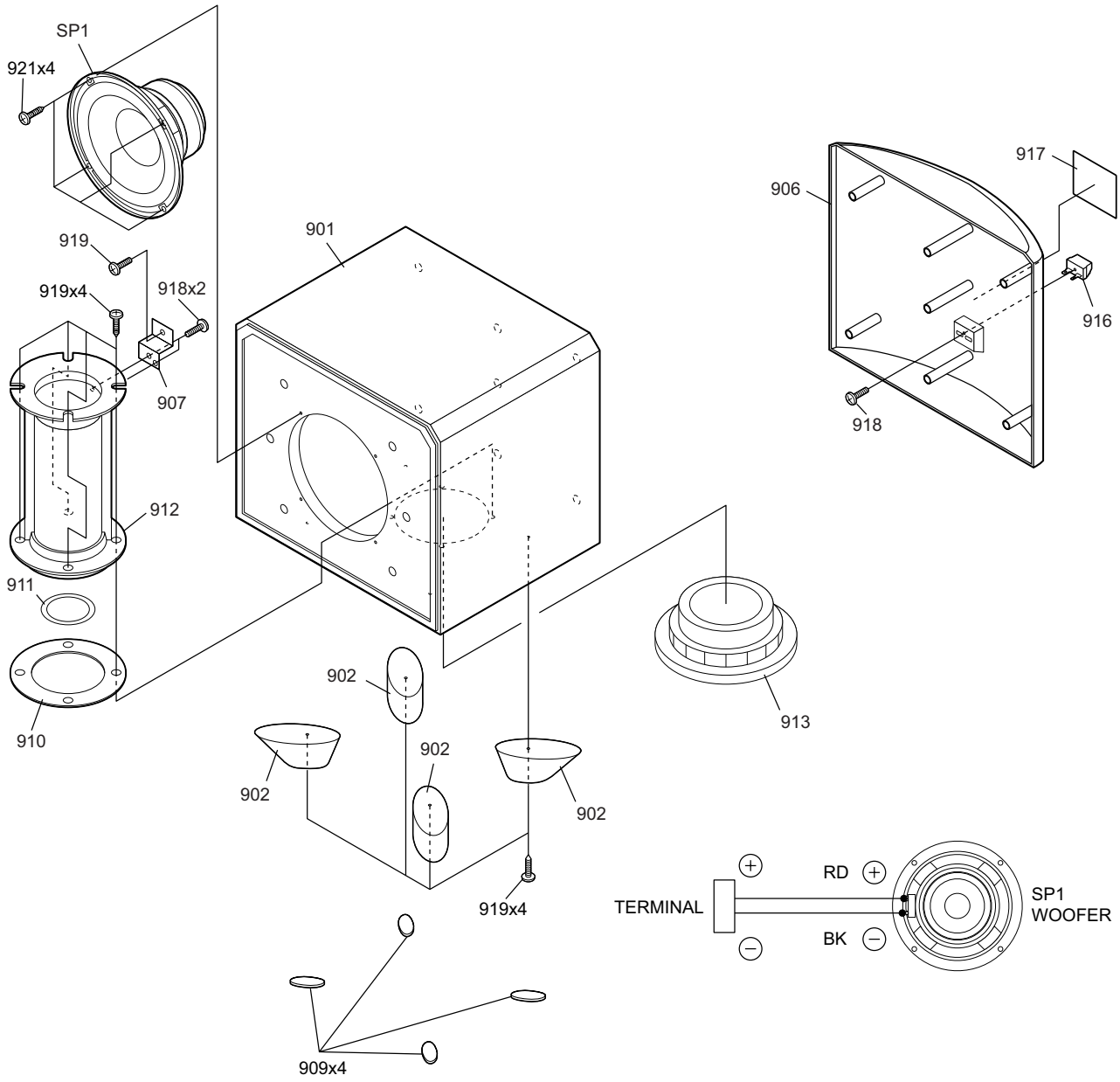
NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[16] CENTER SPEAKER BOX PARTS					
901	CPNLSA025AW01	AZ			Front Cabinet Ass'y
902	GCAB-A022AW01	AW			Rear Cabinet Ass'y
903	PFLT-A010AWZZ	AF			Felt
904	PKYU-A013AWZZ	AG			Absorber
905	QCNWNA222AWZZ	AN			Lead Wire
906	QTANAA003AWZZ	AH			Terminal
907	TSPC-A305AWZZ				Label,Specifications
908	XEBSN30P12000	AA			Screw,M3x12mm
SP1	RSP-ZA069AWZZ	AY			Speaker
SP2	RSP-ZA069AWZZ	AY			Speaker

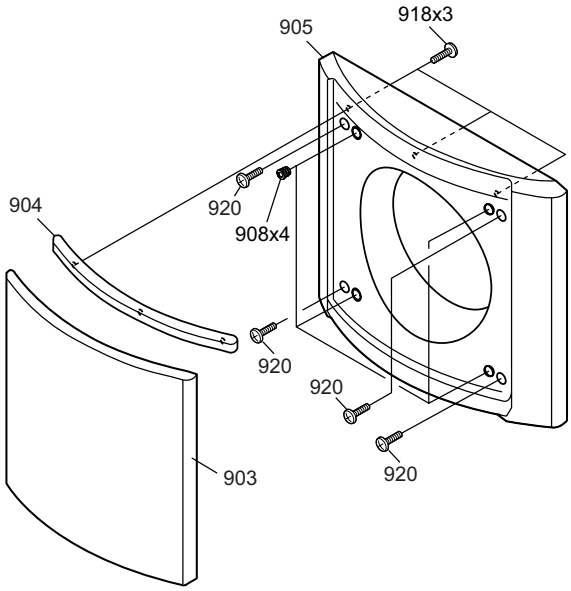
[17] SURROUND SPEAKER BOX PARTS

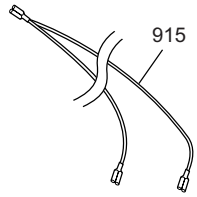


NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[17] SURROUND SPEAKER BOX PARTS					
901	CPNLSA024AW01	AY			Front Cabinet Ass'y,Left
901	CPNLSA027AW01	AY			Front Cabinet Ass'y,Right
902	GCAB-A021AW01	AT			Rear Cabinet Ass'y,Left
902	GCAB-A023AW01	AT			Rear Cabinet Ass'y,Right
903	PFLT-A009AWZZ	AF			Felt
904	PKYU-A013AWZZ	AG			Absorber
905	QCNWNA221AWZZ	AN			Lead Wire
906	QTANAA003AWZZ	AH			Terminal
907	TSPC-A303AWZZ				Label,Specifications,Right
907	TSPC-A304AWZZ				Label,Specifications,Left
908	XEBSN30P12000	AA			Screw,M3x12mm
SP1	RSP-ZA069AWZZ	AY			Speaker
SP2	RSP-ZA069AWZZ	AY			Speaker
SP3	RSP-ZA069AWZZ	AY			Speaker
SP4	RSP-ZA069AWZZ	AY			Speaker

[18] SUBWOOFER PARTS



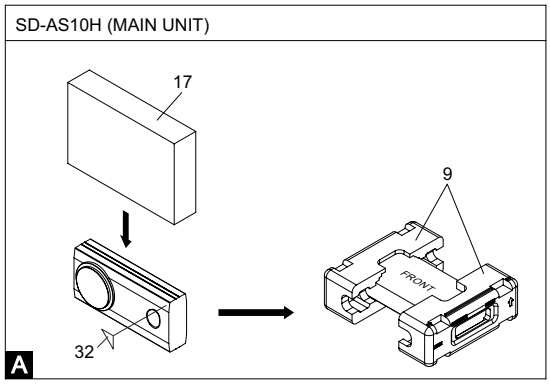


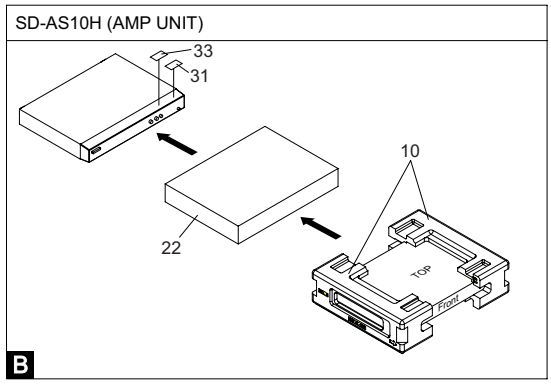


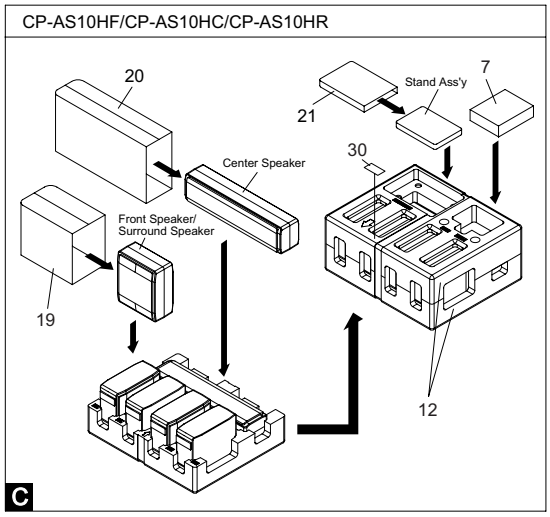
NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[18] SUBWOOFER PARTS					
901	GBOXSA060AWSA	BN			Speaker Box
902	GLEGPA004AWSA	AG			Leg
903	GWAKPA005AWM1	AS			Net Frame Ass'y
904	HDECQA112AWSA	AQ			Decoration Panel,Top
905	HPNLSA022AWSA	AX			Front Panel
906	HPNLSA023AWSA	AX			Rear Panel
907	LANGKA041AWFW	AD			Bracket,Duct Support
908	LHLDZ8001AWSA	AD			Catching Holder
909	PCUSGA032AWZZ	AD			Leg Cushion
910	PCUSSA017AWZZ	AD			Cushion,Duct Port,A
911	PCUSSA002AWZZ	AD			Cushion,Duct Port,B
912	PDUC-A008AWSB	AS			Duct Port
913	PDUC-A018AWSA	AH			Cover,Port
915	QCNWNA220AWZZ	AK			Lead Wire Ass'y
916	QTANAA003AWZZ	AH			Terminal
917	TSPC-A300AWZZ				Label,Specifications
918	XEBSN30P10000	AA			Screw,M3x10mm
919	XTBSN40P12000	AC			Screw,M4x12mm
920	XTBSN40P16000	AC			Screw,M4x16mm
921	XTPSF40P16000	AA			Screw,M4x16mm
SP1	RSP-ZA129AWZZ				Woofer

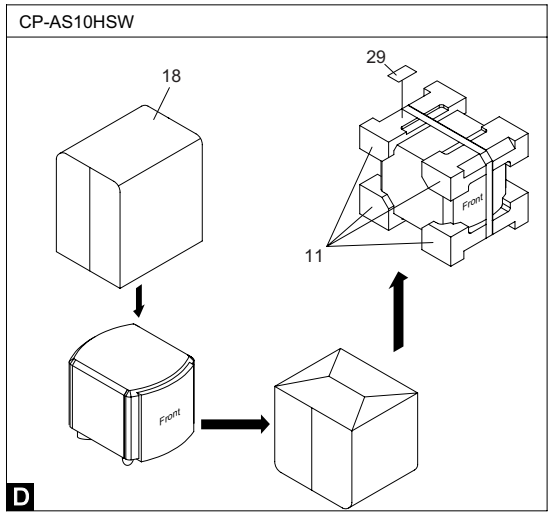
[19] ACCESSORIES/PACKING PARTS

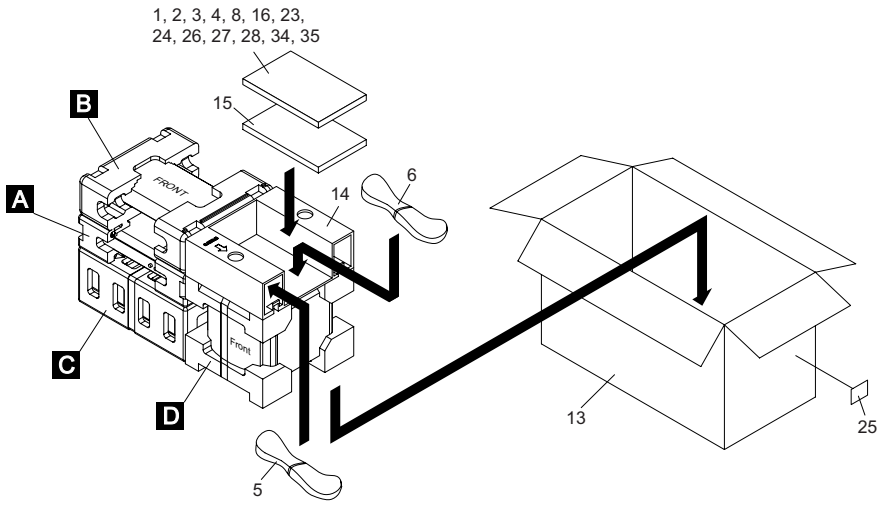
1.	Battery	————	
2.	Cushion	PCUSGA027AWZZ	
3.	Sheet, Leg	PCUSG0129AWSA	
4.	AM Loop Antenna	QANTL0014AWZZ	
5.	System Connection Cable	QCNWGA012AWPZ	
6.	SCART Cable	QCNWGA016AWPZ	
7.	Speaker Cord	QCNWHA006AWPZ	
8.	Remote Control	RRMCGA021AWSA	
9.	Packing Add., Left/Right, Main Unit	SPAKAA045AWZZ	
10.	Packing Add., Left/Right, Amp Unit	SPAKAA046AWZZ	
11.	Packing Add., Top/Bottom, Subwoofer	SPAKAA047AWZZ	
12.	Packing Add., Top/Bottom, Front Speaker/Center Speaker/ Surround Speaker	SPAKAA048AWZZ	
13.	Packing Case	SPAKCA267AWZZ	
14.	Pad, Accessories	SPAKZA269AWZZ	
15.	Pad, Top	SPAKZA299AWZZ	
16.	Polyethylene Bag, Accessories	SSAKA0007AWZZ	
17.	Polyethylene Bag, Main Unit	SSAKHA041AWZZ	
18.	Polyethylene Bag, Subwoofer	SPAKHA042AWZZ	
19.	Polyethylene Bag, Front Speaker/ Surround Speaker	SSAKHA043AWZZ	
20.	Polyethylene Bag, Center Speaker	SSAKHA044AWZZ	
21.	Polyethylene Bag, Stand	SSAKHA045AWZZ	
22.	Polyethylene Bag, Amp Unit	SSAKH0124AWZZ	
23.	Operation Manual	TiNSEA071AWZZ	
24.	Quick Guide	TiNSEA072AWZZ	
25.	Label, Bar Code	TLABEA098AWZZ	
26.	Label, Function	TLABHA007AWSA	
27.	Label, Leg Cushion	TLABZA005AWZZ	
28.	Label, Leg Sheet	TLABZA006AWZZ	
29.	Label, Model, Subwoofer	TLABZA204AWZZ	
30.	Label, Model, Front Speaker/ Center Speaker/Surround Speaker	TLABZA205AWZZ	
31.	Label, Saving Energy	TLABZA207AWZZ	
32.	Label, Feature	TLABZA228AWZZ	
33.	Label, GEA	TLABZ0607AWZZ	
34.	FM Antenna	92LFANT1535A	
35.	Warranty Card	TGAN-3170UMZZ	











NO.	PARTS CODE	PRICE RANK	NEW MARK	PART RANK	DESCRIPTION
[19] ACCESSORIES/PACKING PARTS					
1	–––––––––	–			Battery,SUM-3 (Not Replacement Item)
2	PCUSGA027AWZZ	AC			Cushion
3	PCUSG0129AWSA	AC			Sheet,Leg
4	QANTL0014AWZZ	AP			AM Loop Antenna
5	QCNWGA012AWPZ	BL			System Connection Cable
6	QCNWGA016AWPZ	AZ			SCART Cable
7	QCNWHA006AWPZ	BC			Speaker Cord
8	RRMCGA021AWSA	BB			Remote Control
9	SPAKAA045AWZZ	AL			Packing Add.,Left/Right,Main Unit
10	SPAKAA046AWZZ	AK			Packing Add.,Left/Right,Amp Unit
11	SPAKAA047AWZZ	AP			Packing Add.,Top/Bottom,Subwoofer
12	SPAKAA048AWZZ	AU			Packing Add.,Top/Bottom,Front Speaker/Center Speaker/Surround Speaker
13	SPAKCA267AWZZ				Packing Case
14	SPAKZA269AWZZ	AL			Pad,Accessories
15	SPAKZA299AWZZ				Pad,Top
16	SSAKA0007AWZZ	AB			Polyethylene Bag,Accessories
17	SSAKHA041AWZZ	AD			Polyethylene Bag,Main Unit
18	SSAKHA042AWZZ	AE			Polyethylene Bag,Subwoofer
19	SSAKHA043AWZZ	AC			Polyethylene Bag,Front Speaker/Surround Speaker
20	SSAKHA044AWZZ	AC			Polyethylene Bag,Center Speaker
21	SSAKHA045AWZZ	AC			Polyethylene Bag,Stand
22	SSAKH0124AWZZ	AE			Polyethylene Bag,Amp Unit
23	TiNSEA071AWZZ				Operation Manual [For U.K.]
23	TiNSZA116AWZZ	AV			Operation Manual [Except for U.K.]
24	TiNSEA072AWZZ				Quick Guide [For U.K. Only]
24	TiNSZA119AWZZ				Quick Guide [Except for U.K. Only]
25	TLABEA098AWZZ				Label,Bar Code
26	TLABHA007AWSA				Label,Function
27	TLABZA005AWZZ	AB			Label,Leg Cushion
28	TLABZA006AWZZ	AC			Label,Leg Sheet
29	TLABZA204AWZZ				Label,Model,Subwoofer
30	TLABZA205AWZZ				Label,Model,Front Speaker/Center Speaker/Surround Speaker
31	TLABZA207AWZZ				Label,Saving Energy
32	TLABZA228AWZZ				Label,Feature
33	TLABZ0607AWZZ	AB			Label,GEA
34	92LFANT1535A	AF			FM Antenna
35	TGAN-3170UMZZ	AE			Warranty Card [For U.K. Only]
36	TCAUZA036AWZZ				Caution Sheet
[20] P.W.B. ASSEMBLY (Not Replacement Item)					
PWB-A	92LPWB5888MANS	–			Main (A1)/Speaker Terminal (A2)/LED A (A3)/LED B (A4) (Combined Ass'y)
PWB-B	92LPWB5888PWRS	–			Power (B1)/1-Bit Amp. (B2) (Combined Ass'y)
PWB-C	92LPWB5888DPLS	–			Display (C1)/Terminal B (C2)/Switch A (C3) (Combined Ass'y)
PWB-D	92LPWB5880MCAS	–			Sensor A (D1)/Switch B (D2)/Drum Motor (D3)/Switch C (D4)/Sensor B (D5) (Combined Ass'y)
PWB-E	92LPWB5888DVDS	–			DVD Servo
PWB-F	92LPWB5888JCKS	–			Terminal A
[21] OTHER SERVICE PART					
	UDSKA0004AFZZ	AZ			CD Pickup Lens Cleaner

■INDEX

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
【 C 】				
CCABA5888AW01	14-228			
CCABA5888AW02	13-201			
CPNLSA024AW01	15-901	AY		
〃	17-901	AY		
CPNLSA025AW01	16-901	AZ		
CPNLSA027AW01	15-901	AY		
〃	17-901	AY		
【 D 】				
DVDMECA5880ASY	12-201	BK		
【 G 】				
GBOXSA060AWSA	18-901	BN		
GCAB-A018AWSA	14-229	AX		
GCAB-A021AW01	15-902	AT		
〃	17-902	AT		
GCAB-A022AW01	16-902	AW		
GCAB-A023AW01	15-902	AT		
〃	17-902	AT		
GCABBA022AWSA	13-204	AU		
GCOVAA071AWSA	13-205	AM		
GCOVAA072AWSA	13-206	AM		
GCOVD1006AWSA	13-207	AH		
〃	14-230	AH		
GiTARA229AWSA	14-231	AN		
GLEGPA003AWSA	13-202- 1	AM		
GLEGPA004AWSA	18-902	AG		
GLEGPA005AWSA	13-202- 2	AH		
GWAKPA005AWM1	18-903	AS		
【 H 】				
HDECQA094AWSA	14-228- 2	AC		
HDECQA095AWSA	13-201- 2	AC		
HDECQA096AWSA	13-201- 3	AC		
HDECQA098AWSA	13-201-12	AE		
HDECQA099AWSA	13-201-13	AC		
HDECQA100AWSA	13-208	AC		
HDECQA101AWSA	13-201- 5	AE		
HDECQA102AWSA	13-209	AE		
HDECQA103AWSA	13-201- 6	AL		
HDECQA104AWSA	13-210	AQ		
HDECQA105AWSA	13-211	AE		
HDECQA106AWSA	13-212	AC		
HDECQA107AWSA	13-201- 4	AB		
HDECQA108AWSA	13-203- 2	AB		
HDECQA112AWSA	18-904	AQ		
HDECQA116AWSA	13-201-10	AD		
HDECQA133AWSA	13-201-11	AG		
HPNLSA022AWSA	18-905	AX		
HPNLSA023AWSA	18-906	AX		
【 J 】				
JKNBZA063AWSA	13-213	AH		
JKNBZA064AWSA	13-203- 1	AE		
【 K 】				
KNOB5880ASY1	13-203	AH		
【 L 】				
LANGGA003AWZZ	12-101	AD		
LANGGA004AWZZ	12-102	AD		
LANGK0402AWFW	14-233	AE		
LANGK0403AWFW	14-234	AE		
LANGKA028AWFW	14-232	AL		
LANGKA031AWFW	13-215	AC		
LANGKA032AWFW	13-216	AF		
LANGKA033AWFW	13-217	AE		
LANGKA034AWFW	13-202- 3	AR		
LANGKA038AWZZ	12-103	AC		
LANGKA041AWFW	18-907	AD		
LANGKA042AWFW	13-214	AH		
LANGQ0015AWZZ	14-235	AE		
LANGZ0073AWFW	14-237	AD		
LANGZA008AWFW	14-236	AD		
LANGZA009AWFW	13-256	AD		
LANGZA012AWFW	13-268			
LBSHC0002AWZZ	14-238	AD		
LCHSMA015AWFW	14-239	AT		
LCHSMA016AWFW	13-218	AK		
LCHSMA022AWZZ	12-104	AN		
LHLDMA002AWZZ	12-105	AC		
LHLDZ8001AWSA	18-908	AD		
LHLDZ9012AWZZ	14-240	AD		
LHLDZA025AWSA	13-219	AD		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
LHLDZA026AWSA	13-220	AD		
LHLDZA028AWZZ	12-106	AE		
LHLDZA029AWZZ	12-107	AM		
LHLDZA030AWZZ	12-108	AM		
LHLDZA031AWZZ	12-109	AC		
LHLDZA033AWZZ	12-110	AE		
LHLDZA034AWZZ	12-111	AE		
LHLDZA035AWZZ	12-112	AB		
LPLTMA006AWFW	12-113	AG		
LPLTMA007AWFW	12-114	AF		
LPLTPA001AWZZ	12-115	AG		
LPLTPA003AWZZ	12-116	AL		
LX-BZA026AWF7	12-501	AB		
LX-BZA027AWF7	12-502	AC		
LX-EZ0038AWF7	12-510			
LX-EZ0039AWF7	12-512			
LX-EZA007AWF7	12-503	AB		
LX-JZ0036AWF7	14-612	AC		
LX-JZ0047AWF7	14-613	AB		
LX-JZ0172AFFN	14-614	AB		
LX-WZ9064AFZZ	12-505	AA		
【 M 】				
MCAMPA001AWZZ	12-117	AM		
MCAMPA002AWZZ	12-118	AK		
MCAMPA003AWZZ	12-119	AF		
MLEVPA004AWZZ	12-120	AC		
MLEVPA005AWZZ	12-121	AF		
MLEVPA006AWZZ	12-122	AE		
MLEVPA008AWZZ	12-123	AB		
MLEVPA009AWZZ	12-124	AD		
MLEVPA010AWZZ	12-125	AC		
MLEVPA011AWZZ	12-126	AC		
MLEVPA012AWZZ	12-127	AB		
MLEVPA013AWZZ	12-128	AC		
MLEVPA015AWZZ	12-129	AC		
MLEVPA016AWZZ	12-130	AC		
MLEVPA018AWZZ	12-131	AD		
MLEVPA019AWZZ	12-132	AD		
MLEVPA020AWZZ	12-133	AD		
MLEVPA022AWZZ	12-134	AC		
MLEVPA023AWZZ	12-135	AC		
MLEVPA024AWZZ	12-136	AD		
MLEVPA025AWZZ	12-137	AF		
MLEVPA030AWZZ	12-138	AC		
MLEVPA031AWZZ	12-139	AC		
MLEVPA034AWZZ	12-140	AC		
MLEVPA035AWZZ	12-141	AL		
MLEVPA036AWZZ	12-142	AF		
MLEVPA037AWZZ	12-143	AF		
MLEVPA038AWZZ	12-144	AD		
MLEVPA040AWZZ	12-145	AC		
MLEVPA041AWZZ	12-146	AC		
MLEVPA042AWZZ	12-147	AC		
MLEVPA043AWZZ	12-148	AE		
MLEVPA044AWZZ	12-149	AD		
MLEVPA045AWZZ	12-150	AC		
MLEVPA046AWZZ	12-151	AD		
MSPRCA005AWFJ	12-152	AA		
MSPRCA006AWFJ	12-153	AA		
MSPRCA007AWFJ	12-154	AC		
MSPRDA008AWFJ	12-155	AA		
MSPRDA012AWFJ	12-156	AA		
MSPRDA013AWFJ	12-157	AA		
MSPRDA014AWFJ	12-158	AA		
MSPRDA015AWFJ	12-159	AA		
MSPRDA016AWFJ	12-160	AB		
MSPRTA004AWFJ	12-161	AC		
MSPRTA005AWFJ	12-162	AA		
MSPRTA006AWFJ	12-163	AB		
MSPRTA008AWFJ	12-164	AC		
MSPRTA010AWFJ	12-165	AB		
MSPRTA011AWFJ	12-166	AB		
MSPRTA012AWFJ	12-167	AB		
MSPRTA016AWFJ	12-168	AB		
MSPRTA017AWFJ	12-169	AB		
MSPRTA018AWFJ	12-170	AA		
MSPRTA020AWFJ	12-171	AB		
MSPRTA021AWFJ	12-172	AB		
【 N 】				
NBLTKA001AWZZ	12-173	AF		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
NGERHA009AWZZ	12-174	AC		
NGERHA010AWZZ	12-175	AB		
NGERHA011AWZZ	12-176	AD		
NGERHA012AWZZ	12-177	AC		
NGERHA013AWZZ	12-178	AD		
NGERHA014AWZZ	12-179	AD		
NGERHA015AWZZ	12-180	AF		
NGERHA016AWZZ	12-181	AD		
NGERWA003AWZZ	12-182	AE		
NGERWA004AWZZ	12-183	AE		
NGERWA006AWZZ	12-184	AE		
NGERWA007AWZZ	12-185	AF		
NGERWA008AWZZ	12-186	AF		
NGERWA009AWZZ	12-187	AE		
NSFTTA003AWFD	12-189	AD		
NSFTTA004AWFD	12-190	AE		
NSFTTA005AWF7	12-191	AC		
【 P 】				
PCOVPA004AWZZ	12-192	AD		
PCUSG0022AWZZ	14-241	AB		
PCUSG0095AWZZ	14-242	AD		
PCUSG0129AWSA	19-3	AC		
PCUSGA027AWZZ	19-2	AC		
PCUSGA030AWSA	12-193	AC		
PCUSGA031AWSA	12-194	AC		
PCUSGA032AWZZ	18-909	AD		
PCUSGA037AWZZ	13-202- 4	AB		
PCUSGA045AWZZ	13-258	AC		
PCUSGA046AWZZ	13-259	AD		
PCUSSA002AWZZ	18-911	AD		
PCUSSA017AWZZ	18-910	AD		
PDUC-A008AWSB	18-912	AS		
PDUC-A018AWSA	18-913	AH		
PFLT-A009AWZZ	15-903	AF		
〃	17-903	AF		
PFLT-A010AWZZ	16-903	AF		
PFLT-A014AWZZ	12-202	AB		
PFLT-A015AWZZ	12-204	AA		
PFLT-A017AWZZ	13-202- 5	AB		
PGiDMA001AWZZ	12-195	AD		
PGiDMA002AWZZ	12-196	AD		
PKYU-A013AWZZ	15-904	AG		
〃	16-904	AG		
〃	17-904	AG		
PMAGF0007AWZZ	12-197	AD		
PRDARA045AWFW	14-243	AM		
PRDARA046AWFW	14-244	AL		
PRDARA047AWFW	14-245	AG		
PRDARA049AWFW	14-247	AG		
PRDARA050AWFW	14-248	AD		
PRDARA069AWFW	14-246			
PSHEGA006AWZZ	12-203	AD		
PSHEPA020AWZZ	14-249	AF		
PSHEPA022AWZZ	13-221	AD		
PSHEPA024AWZZ	12-198	AG		
PSHEPA038AWZZ	13-267			
PSHEZA056AWZZ	13-201- 7	AD		
PSHEZA057AWZZ	13-201- 8	AD		
PSHEZA058AWZZ	13-201- 9	AC		
PSHEZA059AWZZ	13-222	AC		
PSHEZA060AWZZ	13-223	AB		
PSHEZA066AWZZ	12-199	AC		
PSLDCA001AWZZ	13-262	AC		
PSLDMA039AWFW	14-250	AF		
PSLDMA040AWFW	13-224	AF		
PSLDMA041AWFW	13-225	AF		
PSPAZ0039AWZZ	14-251	AC		
【 Q 】				
QACCB0014AW00	14-252	AU		
QACCE0015AW00	14-252	AK		
QANTL0014AWZZ	19-4	AP		
QCNCM010PAWZZ	11-CNPP204	AD		
QCNCM049BAWZZ	11-CNP901	AC		
QCNCM050DAWZZ	11-CNPA801	AC		
〃	11-CNPA802	AC		
〃	11-CNPA803	AC		
QCNCM050EAWZZ	11-CNPA402	AD		
QCNCMA011AWZZ	11-CNS101	AT		
〃	11-CNPP205	AT		
QCNCMA015AW05	11-CNP9	AD		
QCNCMA016AW08	11-CNP6	AE		
QCNCMA016AW09	11-CNP8	AE		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
QCNCW010PAWZZ	11-CNPP100	AE		
QCNCW060HAWZZ	11-CNP704	AE		
〃	11-CNPP704	AE		
QCNCWYW18AWZZ	11-CNPP660	AE		
QCNCWZX11AWZZ	11-CNP506	AC		
QCNWGA012AWPZ	19-5	BL		
QCNWGA016AWPZ	19-6	AZ		
QCNWHA006AWPZ	19-7	BC		
QCNWN2525AWZZ	11-FFC506	AC		
QCNWNA078AWPZ	11-BiP604	AC		
QCNWNA158AWPZ	11-Bi905	AF		
QCNWNA159AWPZ	11-Bi906	AH		
QCNWNA160AWPZ	11-BiA102	AH		
QCNWNA161AWPZ	11-Bi804	AF		
QCNWNA162AWPZ	11-BiA302	AH		
QCNWNA163AWPZ	11-CNS903	AL		
QCNWNA164AWPZ	11-BiA202	AK		
QCNWNA165AWPZ	11-BiA201	AH		
QCNWNA166AWPZ	11-Bi201	AD		
QCNWNA178AWPZ	11-CNS2	AG		
QCNWNA188AWPZ	11-BiP602	AF		
QCNWNA189AWPZ	11-BiP603	AH		
QCNWNA196AWPZ	11-BiP601	AG		
QCNWNA197AWPZ	11-BiP600	AE		
QCNWNA198AWPZ	11-BiP700	AK		
QCNWNA199AWPZ	11-BiP740	AK		
QCNWNA200AWPZ	11-Bi730	AD		
QCNWNA201AWPZ	11-BiP200			
QCNWNA220AWZZ	18-915	AK		
QCNWNA221AWZZ	15-905	AN		
〃	17-905	AN		
QCNWNA222AWZZ	16-905	AN		
QCNWNA244AWPZ	11-CNS9	AH		
QCNWNA279AWPZ	13-260	AD		
QCNWNA281AWPZ	13-261	AF		
QCNWNA319AWPZ	11-BiP101			
QCNWNA320AWPZ	11-BiP703			
QCNWNA321AWPZ	11-BiP201			
QFS-C402AAWNL	11-F901	AD		
QFSHD0001AWZZ	14-253	AB		
QJAKM0004AWZZ	11-JK106	AK		
QLUGP0001AWZZ	11-LUG1	AC		
〃	11-LUG2	AC		
〃	11-LG105	AC		
〃	11-LGA100	AC		
〃	11-LUG501	AC		
〃	11-LUG502	AC		
〃	11-LUG503	AC		
〃	11-LUG504	AC		
〃	11-LUG505	AC		
〃	11-LUGP100	AC		
QSOCJA008AWZZ	11-JKP201	AD		
QSOCJA011AWZZ	11-SO103	AC		
QSOCJA015AWZZ	11-JK101	AF		
QSOCJA016AWZZ	11-SO102	AC		
QSOCJA017AWZZ	11-JKP202	AC		
QSOCZA003AWZZ	11-JKP200	AF		
QSOCZA004AWZZ	11-SOP200	AH		
QSW-M0007AWZZ	11-SW2	AD		
〃	11-SW4	AD		
〃	11-SW5	AD		
〃	12-SW2	AD		
〃	12-SW4	AD		
〃	12-SW5	AD		
QSW-M0012AWZZ	11-SW7	AM		
〃	12-SW7	AM		
QSW-SA002AWZZ	11-SWP1	AD		
QSW-ZA003AWZZ	11-PHP651	AP		
QSW-ZA004AWZZ	11-PHP650	AP		
QTANAA003AWZZ	15-906	AH		
〃	16-906	AH		
〃	17-906	AH		
〃	18-916	AH		
QTANZA006AWZZ	11-SO801	AH		
【 R 】				
RC-EZ0004AWZZ	9-C171	AD		
〃	9-CA102	AD		
〃	9-CA103	AD		
〃	9-CA302	AD		
〃	9-CA303	AD		
RC-EZ0097AWZZ	9-C938	AF		
〃	9-C941	AF		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
〃	9-C942	AF		
〃	9-C945	AF		
RC-EZ0099AWZZ	9-C919	AC		
RC-EZ0120AWZZ	9-C932	AL		
〃	9-C933	AL		
RC-EZ0123AWZZ	9-C940	AK		
RC-EZ0129AWZZ	9-C911	AT		
RC-EZ3010AWZZ	9-CP647	AC		
RC-EZ3022AWZZ	9-CP112	AC		
〃	9-CP132	AC		
RC-EZ3023AWZZ	9-CP191	AC		
〃	9-CP193	AC		
RC-EZD105AF1H	9-CP274	AB		
RC-EZD476AF1A	9-CP269	AC		
〃	9-CP276	AC		
RC-EZY105AF1H	9-CP204	AB		
〃	9-CP206	AB		
〃	9-CP207	AB		
〃	9-CP208	AB		
〃	9-CP266	AB		
〃	9-CP270	AB		
〃	9-CP271	AB		
RC-EZY106AF1C	9-CP102	AB		
〃	9-CP151	AB		
〃	9-CP154	AB		
〃	9-CP641	AB		
〃	9-CP677	AB		
RC-EZY106AF1E	9-CP275	AB		
〃	9-CP277	AB		
RC-EZY107AF1C	9-CP606	AB		
〃	9-CP667	AB		
RC-EZY225AF1H	9-CP251	AB		
〃	9-CP252	AB		
〃	9-CP256	AB		
〃	9-CP258	AB		
〃	9-CP661	AB		
RC-EZY226AF1A	9-CP205	AB		
〃	9-CP213	AB		
〃	9-CP215	AB		
〃	9-CP217	AB		
〃	9-CP219	AB		
〃	9-CP221	AB		
〃	9-CP245	AB		
〃	9-CP247	AB		
〃	9-CP261	AB		
〃	9-CP267	AB		
〃	9-CP272	AB		
RC-EZY226AF1C	9-CP101	AB		
〃	9-CP680	AB		
〃	9-CP780	AB		
RC-EZY227AF0J	9-CP684	AB		
RC-EZY227AF1C	9-CP115	AC		
〃	9-CP135	AC		
RC-EZY335AF1H	9-CP678	AB		
〃	9-CP679	AB		
RC-EZY475AF1H	9-CP644	AB		
RC-EZY476AF1A	9-CP201	AB		
〃	9-CP210	AB		
〃	9-CP244	AB		
〃	9-CP263	AB		
RC-EZY476AF1C	9-CP164	AB		
〃	9-CP172	AB		
〃	9-CP173	AB		
〃	9-CP714	AB		
〃	9-CP721	AB		
RC-EZY476AF1E	9-CP233	AB		
〃	9-CP255	AB		
RCiLC0290AFZZ	5-L401	AC		
〃	5-L402	AC		
〃	5-L403	AC		
RCiLZ0040AWZZ	5-LD106	AH		
〃	5-LD107	AH		
〃	5-LP191	AH		
〃	5-LP192	AH		
〃	5-LFA402	AH		
〃	5-LFA403	AH		
RCiLZ0048AWZZ	5-LA104	AM		
〃	5-LA105	AM		
〃	5-LA106	AM		
〃	5-LA107	AM		
〃	5-LA204	AM		
〃	5-LA205	AM		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
〃	5-LA206	AM		
〃	5-LA207	AM		
〃	5-LA304	AM		
〃	5-LA305	AM		
〃	5-LA306	AM		
〃	5-LA307	AM		
RCiLZ0054AWZZ	5-LFA400	AH		
RCiLZ0055AWZZ	5-LFA100	AH		
〃	5-LFA101	AH		
〃	5-LFA200	AH		
〃	5-LFA201	AH		
〃	5-LFA300	AH		
〃	5-LFA301	AH		
〃	5-LFA800	AH		
〃	5-LFA801	AH		
〃	5-LFA802	AH		
〃	5-LFA803	AH		
〃	5-LFA804	AH		
〃	5-LFA805	AH		
RCiLZ0058AWZZ	5-L901	AK		
〃	5-L902	AK		
RCiLZ0062AWZZ	5-L931	AF		
RCiLZA014AWZZ	5-LP111	AK		
〃	5-LP131	AK		
RC-KZ0011AWZZ	9-C915	AE		
RC-KZ001LAWZZ	9-C913	AB		
〃	9-C914	AB		
RC-KZ007LAWZZ	9-C906	AD		
〃	9-C907	AD		
〃	9-C908	AD		
〃	9-C909	AD		
RC-KZ0089GEZZ	9-C903	AC		
〃	9-C904	AC		
RC-KZ0105GEZZ	9-C905	AE		
RC-KZ3002AWZZ	9-CA165	AC		
〃	9-CA166	AC		
〃	9-CA175	AC		
〃	9-CA178	AC		
〃	9-CA265	AC		
〃	9-CA266	AC		
〃	9-CA275	AC		
〃	9-CA278	AC		
〃	9-CA365	AC		
〃	9-CA366	AC		
〃	9-CA375	AC		
〃	9-CA378	AC		
RCORF0018AWZZ	14-265	AG		
RCORF0020AWZZ	5-LA400	AD		
RCORF0024AWZZ	13-263	AD		
RCORF0026AWZZ	5-LA100	AB		
〃	5-LA101	AB		
〃	5-LA102	AB		
〃	5-LA103	AB		
〃	5-LA200	AB		
〃	5-LA201	AB		
〃	5-LA202	AB		
〃	5-LA203	AB		
〃	5-LA300	AB		
〃	5-LA301	AB		
〃	5-LA302	AB		
〃	5-LA303	AB		
RC-QZ0028AWZZ	9-C930	AE		
RC-QZ0030AWZZ	9-C902	AD		
〃	9-C922	AD		
RC-QZ0031AWZZ	9-C912	AE		
RC-QZ0034AWZZ	9-C901	AE		
RCRM-0053AWZZ	7-XL701	AF		
RCRSP0018AWZZ	7-XT21	AG		
RCRSP0021AWZZ	7-CXA100	AG		
RCRSP0029AWZZ	7-XLP621	AF		
RCRSP0031AWZZ	7-XL101	AF		
RH-FX0008GEZZ	11-PC901	AE		
〃	11-PC902	AE		
RH-iX0446AWZZ	1-iC111	AL		
〃	1-iC113	AL		
RH-iX0498AWZZ	1-iCA100	AZ		
〃	1-iCA200	AZ		
〃	1-iCA300	AZ		
RH-iXA028AW00	1-iCP600	AY		
RH-iXA030AW00	1-iC701	AY		
RH-QX0006AWZZ	10-R402	AE		
RH-QX0017AWZZ	8-PS931	AG		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
〃	8-PS932	AG		
RH-QX0020AWZZ	8-TH901	AM		
RH-QX0022AWZZ	8-PSA403	AF		
〃	8-PSA404	AF		
〃	8-PSA405	AF		
RMOTV0043AWZZ	11-M1	AN		
〃	11-M2	AN		
〃	12-M1	AN		
〃	12-M2	AN		
RMOTV0058AWZZ	11-M401	AV		
RRLYD0016AWZZ	11-RL897	AH		
〃	11-RL898	AH		
〃	11-RL899	AH		
RRMCGA021AWSA	19-8	BB		
RSP-ZA069AWZZ	15-SP1	AY		
〃	15-SP2	AY		
〃	15-SP3	AY		
〃	15-SP4	AY		
〃	16-SP1	AY		
〃	16-SP2	AY		
〃	17-SP1	AY		
〃	17-SP2	AY		
〃	17-SP3	AY		
〃	17-SP4	AY		
RSP-ZA129AWZZ	18-SP1			
RTRNL0107AFZZ	4-LD109	AE		
RTRNP0313AWZZ	4-T903	AN		
RTRNZA003AWZZ	4-T901	AU		
RTUNS0031AWZZ	11-TUN1	BD		
RV-LXA001AWZZ	11-LCDP701	BB		
RVR-M0024AWZZ	6-VRA100	AC		
〃	6-VRA101	AC		
〃	6-VRA200	AC		
〃	6-VRA201	AC		
〃	6-VRA300	AC		
〃	6-VRA301	AC		
【 S 】				
SPAKAA045AWZZ	19-9	AL		
SPAKAA046AWZZ	19-10	AK		
SPAKAA047AWZZ	19-11	AP		
SPAKAA048AWZZ	19-12	AU		
SPAKCA267AWZZ	19-13			
SPAKZA269AWZZ	19-14	AL		
SPAKZA299AWZZ	19-15			
SSAKA0007AWZZ	19-16	AB		
SSAKH0124AWZZ	19-22	AE		
SSAKHA041AWZZ	19-17	AD		
SSAKHA042AWZZ	19-18	AE		
SSAKHA043AWZZ	19-19	AC		
SSAKHA044AWZZ	19-20	AC		
SSAKHA045AWZZ	19-21	AC		
【 T 】				
TCAUZA036AWZZ	19-36			
TGAN-3170UMZZ	19-35	AE		
TiNSEA071AWZZ	19-23			
TiNSEA072AWZZ	19-24			
TiNSZA116AWZZ	19-23	AV		
TiNSZA119AWZZ	19-24			
TLABEA098AWZZ	19-25			
TLABHA007AWSA	19-26			
TLABZ0607AWZZ	19-33	AB		
TLABZA005AWZZ	19-27	AB		
TLABZA006AWZZ	19-28	AC		
TLABZA194AWZZ	13-255			
TLABZA204AWZZ	19-29			
TLABZA205AWZZ	19-30			
TLABZA207AWZZ	19-31			
TLABZA228AWZZ	19-32			
TSPC-A285AWZZ	14-254			
TSPC-A286AWZZ	13-226			
TSPC-A287AWZZ	14-254			
TSPC-A288AWZZ	13-226			
TSPC-A300AWZZ	18-917			
TSPC-A301AWZZ	15-907			
TSPC-A302AWZZ	15-907			
TSPC-A303AWZZ	17-907			
TSPC-A304AWZZ	17-907			
TSPC-A305AWZZ	16-907			
【 U 】				
UDSKA0004AFZZ	21-	AZ		
【 V 】				
VCCCCY1HH101J	9-C625	AA		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
〃	9-C663	AA		
〃	9-C664	AA		
〃	9-C704	AA		
〃	9-C705	AA		
〃	9-C706	AA		
〃	9-C707	AA		
〃	9-C708	AA		
〃	9-C709	AA		
〃	9-C710	AA		
〃	9-C711	AA		
〃	9-C712	AA		
〃	9-C718	AA		
〃	9-C719	AA		
〃	9-C721	AA		
〃	9-C722	AA		
〃	9-CA110	AA		
〃	9-CA210	AA		
〃	9-CA310	AA		
〃	9-CD134	AA		
〃	9-CD135	AA		
〃	9-CD136	AA		
〃	9-CD137	AA		
〃	9-CG132	AA		
〃	9-CG133	AA		
〃	9-CG135	AA		
〃	9-CG140	AA		
〃	9-CP222	AA		
〃	9-CP223	AA		
〃	9-CP224	AA		
〃	9-CP226	AA		
〃	9-CP227	AA		
〃	9-CP228	AA		
〃	9-CP234	AA		
〃	9-CP235	AA		
〃	9-CP236	AA		
〃	9-CP237	AA		
〃	9-CP238	AA		
〃	9-CP239	AA		
〃	9-CP240	AA		
〃	9-CP241	AA		
VCCCCY1HH150J	9-CP626	AA		
VCCCCY1HH151J	9-C702	AA		
〃	9-CP682	AA		
〃	9-CP782	AA		
VCCCCY1HH180J	9-CA123	AA		
〃	9-CA124	AA		
〃	9-CP625	AA		
VCCCCY1HH181J	9-C167	AA		
VCCCCY1HH220J	9-C125	AA		
〃	9-C126	AA		
〃	9-CT23	AA		
〃	9-CT25	AA		
VCCCCY1HH330J	9-C415	AA		
〃	9-C416	AA		
〃	9-C427	AA		
〃	9-C428	AA		
〃	9-C439	AA		
〃	9-C637	AA		
〃	9-C638	AA		
VCCCCY1HH331J	9-C939	AA		
VCCCCY1HH470J	9-C500	AA		
〃	9-C501	AA		
〃	9-CG100	AA		
〃	9-CG101	AA		
VCCCCY1HH561J	9-CT26	AB		
VCCCCY1HH680J	9-C109	AA		
〃	9-C113	AA		
〃	9-C175	AA		
〃	9-C176	AA		
〃	9-CG142	AA		
〃	9-CG143	AA		
〃	9-CG149	AA		
VCCCCY1HH7R0D	9-CA189	AA		
VCCSPA1HL680J	9-C184	AA		
VCEA4U1HN475M	9-C918	AC		
VCEAZA0JW107M	9-C170	AC		
VCEAZA1AW107M	9-CP212	AB		
〃	9-CP214	AB		
〃	9-CP216	AB		
〃	9-CP218	AB		
〃	9-CP220	AB		
〃	9-CP246	AB		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
〃	9-CP260	AB		
〃	9-CP262	AB		
〃	9-CP268	AB		
VCEAZA1AW476M	9-C164	AB		
〃	9-C166	AB		
〃	9-C765	AB		
〃	9-CA132	AB		
〃	9-CA199	AB		
〃	9-CA232	AB		
〃	9-CA299	AB		
〃	9-CA332	AB		
〃	9-CA399	AB		
VCEAZA1AW477M	9-C723	AC		
〃	9-C724	AC		
〃	9-C988	AC		
VCEAZA1CW106M	9-C148	AC		
〃	9-C149	AC		
〃	9-C150	AC		
〃	9-C151	AC		
〃	9-C152	AC		
〃	9-C160	AC		
〃	9-C180	AC		
〃	9-C191	AC		
〃	9-C401	AC		
〃	9-C402	AC		
〃	9-C413	AC		
〃	9-C414	AC		
〃	9-C421	AC		
〃	9-C422	AC		
〃	9-C425	AC		
〃	9-C426	AC		
〃	9-C433	AC		
〃	9-C434	AC		
〃	9-C437	AC		
〃	9-C453	AC		
〃	9-C454	AC		
〃	9-C459	AC		
〃	9-C519	AC		
〃	9-C520	AC		
〃	9-C521	AC		
〃	9-C522	AC		
〃	9-C523	AC		
〃	9-C524	AC		
〃	9-C633	AC		
〃	9-C634	AC		
〃	9-C798	AC		
〃	9-CA100	AC		
〃	9-CA101	AC		
〃	9-CA200	AC		
〃	9-CA201	AC		
〃	9-CA202	AC		
〃	9-CA203	AC		
〃	9-CA300	AC		
〃	9-CA301	AC		
〃	9-CA414	AC		
〃	9-CD100	AC		
〃	9-CG116	AC		
〃	9-CG117	AC		
〃	9-CG120	AC		
〃	9-CG121	AC		
〃	9-CG130	AC		
〃	9-CG131	AC		
〃	9-CG136	AC		
〃	9-CG137	AC		
VCEAZA1CW107M	9-C163	AC		
〃	9-C585	AC		
〃	9-C586	AC		
〃	9-C598	AC		
〃	9-C601	AC		
〃	9-C607	AC		
〃	9-C608	AC		
〃	9-C631	AC		
〃	9-C639	AC		
〃	9-C640	AC		
〃	9-C696	AC		
〃	9-C703	AC		
〃	9-C714	AC		
〃	9-CA149	AC		
〃	9-CA150	AC		
〃	9-CA153	AC		
〃	9-CA154	AC		
〃	9-CA249	AC		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
〃	9-CA250	AC		
〃	9-CA253	AC		
〃	9-CA254	AC		
〃	9-CA349	AC		
〃	9-CA350	AC		
〃	9-CA353	AC		
〃	9-CA354	AC		
〃	9-CA420	AC		
VCEAZA1CW226M	9-C583	AC		
〃	9-C584	AC		
〃	9-C602	AC		
〃	9-C603	AC		
〃	9-C621	AC		
VCEAZA1CW227M	9-C665	AC		
〃	9-C666	AC		
VCEAZA1CW476M	9-C403	AB		
〃	9-C511	AB		
〃	9-C512	AB		
〃	9-C539	AB		
〃	9-C540	AB		
〃	9-C595	AB		
〃	9-C596	AB		
〃	9-CG126	AB		
〃	9-CG127	AB		
〃	9-CG138	AB		
〃	9-CG141	AB		
VCEAZA1EW107M	9-C971	AB		
VCEAZA1EW476M	9-C450	AB		
〃	9-C451	AB		
〃	9-CT21	AB		
〃	9-CT31	AB		
〃	9-CT32	AB		
〃	9-CA406	AB		
〃	9-CA410	AB		
〃	9-CA412	AB		
〃	9-CP231	AB		
VCEAZA1EW477M	9-C967	AD		
VCEAZA1HW105M	9-C604	AB		
〃	9-C628	AB		
〃	9-C953	AB		
〃	9-C956	AB		
〃	9-C961	AB		
〃	9-C963	AB		
〃	9-C968	AB		
〃	9-C995	AB		
〃	9-C997	AB		
〃	9-CG106	AB		
〃	9-CG107	AB		
〃	9-CG108	AB		
〃	9-CG109	AB		
VCEAZA1HW106M	9-C728	AB		
VCEAZA1HW225M	9-C105	AB		
〃	9-C111	AB		
〃	9-C527	AB		
〃	9-C528	AB		
〃	9-C529	AB		
〃	9-C530	AB		
〃	9-C531	AB		
〃	9-C532	AB		
〃	9-CG113	AB		
〃	9-CG114	AB		
〃	9-CP604	AB		
VCEAZA1HW335M	9-C460	AB		
VCEAZA1HW475M	9-C729	AB		
〃	9-CD104	AB		
VCEAZA1HW476M	9-CA194	AB		
〃	9-CA195	AB		
〃	9-CA294	AB		
〃	9-CA295	AB		
〃	9-CA394	AB		
〃	9-CA395	AB		
VCFYFA1HA155J	9-CA179	AF		
〃	9-CA180	AF		
〃	9-CA181	AF		
〃	9-CA182	AF		
〃	9-CA279	AF		
〃	9-CA280	AF		
〃	9-CA281	AF		
〃	9-CA282	AF		
〃	9-CA379	AF		
〃	9-CA380	AF		
〃	9-CA381	AF		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
〃	9-CA382	AF		
VCFYFA1HA224J	9-CA187	AC		
〃	9-CA188	AC		
〃	9-CA196	AC		
〃	9-CA197	AC		
〃	9-CA287	AC		
〃	9-CA288	AC		
〃	9-CA296	AC		
〃	9-CA297	AC		
〃	9-CA387	AC		
〃	9-CA388	AC		
〃	9-CA396	AC		
〃	9-CA397	AC		
VCFYFA1HA823J	9-C513	AB		
〃	9-C514	AB		
〃	9-C515	AB		
〃	9-C516	AB		
VCKYCY1AB104K	9-C108	AC		
〃	9-C116	AC		
〃	9-C119	AC		
〃	9-C120	AC		
VCKYCY1AF105Z	9-C101	AB		
〃	9-C102	AB		
〃	9-C103	AB		
〃	9-C104	AB		
〃	9-C112	AB		
〃	9-C114	AB		
〃	9-C117	AB		
〃	9-C118	AB		
〃	9-C124	AB		
〃	9-C127	AB		
〃	9-C137	AB		
〃	9-C182	AB		
〃	9-C499	AB		
〃	9-C715	AB		
〃	9-C716	AB		
〃	9-C717	AB		
〃	9-C750	AB		
〃	9-C766	AB		
〃	9-C799	AB		
〃	9-CD108	AB		
〃	9-CD111	AB		
VCKYCY1CB103K	9-C107	AA		
〃	9-C199	AA		
〃	9-CA418	AA		
〃	9-CD105	AA		
〃	9-CD113	AA		
VCKYCY1CF104Z	9-C110	AB		
〃	9-C121	AB		
〃	9-C122	AB		
〃	9-C128	AB		
〃	9-C129	AB		
〃	9-C138	AB		
〃	9-C139	AB		
〃	9-C140	AB		
〃	9-C141	AB		
〃	9-C142	AB		
〃	9-C144	AB		
〃	9-C145	AB		
〃	9-C146	AB		
〃	9-C147	AB		
〃	9-C153	AB		
〃	9-C154	AB		
〃	9-C155	AB		
〃	9-C156	AB		
〃	9-C172	AB		
〃	9-C181	AB		
〃	9-C190	AB		
〃	9-C192	AB		
〃	9-C713	AB		
〃	9-C725	AB		
〃	9-C726	AB		
〃	9-C727	AB		
〃	9-C764	AB		
〃	9-CD103	AB		
〃	9-CD107	AB		
〃	9-CD109	AB		
〃	9-CD110	AB		
〃	9-CD112	AB		
〃	9-CG134	AB		
〃	9-CG139	AB		
VCKYCY1EB103K	9-C561	AA		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
〃	9-C594	AA		
VCKYCY1EB822K	9-CG110	AA		
〃	9-CG111	AA		
VCKYCY1EF104Z	9-C446	AA		
〃	9-CA131	AA		
〃	9-CA134	AA		
〃	9-CA135	AA		
〃	9-CA138	AA		
〃	9-CA141	AA		
〃	9-CA142	AA		
〃	9-CA143	AA		
〃	9-CA144	AA		
〃	9-CA151	AA		
〃	9-CA152	AA		
〃	9-CA155	AA		
〃	9-CA156	AA		
〃	9-CA231	AA		
〃	9-CA234	AA		
〃	9-CA235	AA		
〃	9-CA238	AA		
〃	9-CA241	AA		
〃	9-CA242	AA		
〃	9-CA243	AA		
〃	9-CA244	AA		
〃	9-CA251	AA		
〃	9-CA252	AA		
〃	9-CA255	AA		
〃	9-CA256	AA		
〃	9-CA331	AA		
〃	9-CA334	AA		
〃	9-CA335	AA		
〃	9-CA338	AA		
〃	9-CA341	AA		
〃	9-CA342	AA		
〃	9-CA343	AA		
〃	9-CA344	AA		
〃	9-CA351	AA		
〃	9-CA352	AA		
〃	9-CA355	AA		
〃	9-CA356	AA		
〃	9-CA409	AA		
〃	9-CA411	AA		
〃	9-CA413	AA		
〃	9-CA421	AA		
〃	9-CA422	AA		
〃	9-CA444	AA		
〃	9-CA460	AA		
〃	9-CA461	AA		
〃	9-CA470	AA		
〃	9-CP100	AA		
〃	9-CP103	AA		
〃	9-CP111	AA		
〃	9-CP113	AA		
〃	9-CP114	AA		
〃	9-CP131	AA		
〃	9-CP133	AA		
〃	9-CP134	AA		
〃	9-CP152	AA		
〃	9-CP153	AA		
〃	9-CP171	AA		
〃	9-CP174	AA		
〃	9-CP192	AA		
〃	9-CP194	AA		
〃	9-CP200	AA		
〃	9-CP209	AA		
〃	9-CP211	AA		
〃	9-CP230	AA		
〃	9-CP232	AA		
〃	9-CP243	AA		
〃	9-CP249	AA		
〃	9-CP264	AA		
〃	9-CP273	AA		
〃	9-CP605	AA		
〃	9-CP607	AA		
〃	9-CP642	AA		
〃	9-CP650	AA		
〃	9-CP651	AA		
〃	9-CP668	AA		
〃	9-CP675	AA		
〃	9-CP676	AA		
〃	9-CP713	AA		
〃	9-CP720	AA		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
VCKYCY1EF223Z	9-C14	AB		
〃	9-C15	AB		
〃	9-C173	AB		
〃	9-C423	AB		
〃	9-C424	AB		
〃	9-C435	AB		
〃	9-C436	AB		
〃	9-C455	AB		
〃	9-C456	AB		
〃	9-C509	AB		
〃	9-C510	AB		
〃	9-C560	AB		
〃	9-C578	AB		
〃	9-C582	AB		
〃	9-C587	AB		
〃	9-C588	AB		
〃	9-C597	AB		
〃	9-C605	AB		
〃	9-C629	AB		
〃	9-C641	AB		
〃	9-C642	AB		
〃	9-CT22	AB		
〃	9-CT27	AB		
〃	9-CT28	AB		
〃	9-CT29	AB		
〃	9-CT30	AB		
〃	9-CD143	AB		
〃	9-CG124	AB		
〃	9-CG125	AB		
〃	9-CP257	AB		
〃	9-CP600	AB		
〃	9-CP660	AB		
〃	9-CP681	AB		
〃	9-CP730	AB		
〃	9-CP731	AB		
〃	9-CP732	AB		
〃	9-CP733	AB		
〃	9-CP781	AB		
VCKYCY1EF473Z	9-C606	AB		
〃	9-C630	AB		
〃	9-CA419	AB		
VCKYCY1HB102K	9-C16	AA		
〃	9-C123	AA		
〃	9-C194	AA		
〃	9-C440	AA		
〃	9-C873	AA		
〃	9-C874	AA		
〃	9-C875	AA		
〃	9-C876	AA		
〃	9-C877	AA		
〃	9-C878	AA		
〃	9-CA104	AA		
〃	9-CA105	AA		
〃	9-CA114	AA		
〃	9-CA115	AA		
〃	9-CA116	AA		
〃	9-CA117	AA		
〃	9-CA130	AA		
〃	9-CA133	AA		
〃	9-CA137	AA		
〃	9-CA192	AA		
〃	9-CA193	AA		
〃	9-CA204	AA		
〃	9-CA205	AA		
〃	9-CA214	AA		
〃	9-CA215	AA		
〃	9-CA216	AA		
〃	9-CA217	AA		
〃	9-CA230	AA		
〃	9-CA233	AA		
〃	9-CA237	AA		
〃	9-CA292	AA		
〃	9-CA293	AA		
〃	9-CA304	AA		
〃	9-CA305	AA		
〃	9-CA314	AA		
〃	9-CA315	AA		
〃	9-CA316	AA		
〃	9-CA317	AA		
〃	9-CA330	AA		
〃	9-CA333	AA		
〃	9-CA337	AA		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
〃	9-CA392	AA		
〃	9-CA393	AA		
〃	9-CA402	AA		
〃	9-CA415	AA		
〃	9-CD132	AA		
〃	9-CD133	AA		
〃	9-CD138	AA		
〃	9-CD140	AA		
〃	9-CD142	AA		
〃	9-CG102	AA		
〃	9-CG103	AA		
〃	9-CG104	AA		
〃	9-CG105	AA		
〃	9-CG145	AA		
〃	9-CP250	AA		
VCKYCY1HB103K	9-C842	AA		
〃	9-C844	AA		
〃	9-C846	AA		
〃	9-C847	AA		
〃	9-C848	AA		
〃	9-C881	AA		
〃	9-C882	AA		
〃	9-C883	AA		
〃	9-C884	AA		
〃	9-C885	AA		
〃	9-C887	AA		
〃	9-C888	AA		
〃	9-C921	AA		
〃	9-CA183	AA		
〃	9-CA184	AA		
〃	9-CA185	AA		
〃	9-CA186	AA		
〃	9-CA283	AA		
〃	9-CA284	AA		
〃	9-CA285	AA		
〃	9-CA286	AA		
〃	9-CA383	AA		
〃	9-CA384	AA		
〃	9-CA385	AA		
〃	9-CA386	AA		
〃	9-CG112	AA		
〃	9-CP202	AA		
〃	9-CP225	AA		
〃	9-CP229	AA		
〃	9-CP265	AA		
〃	9-CP643	AA		
〃	9-CP645	AA		
〃	9-CP674	AA		
〃	9-CP783	AA		
VCKYCY1HB122K	9-CP253	AA		
〃	9-CP254	AA		
VCKYCY1HB152K	9-C917	AA		
VCKYCY1HB153K	9-C533	AA		
〃	9-C534	AA		
〃	9-C535	AA		
〃	9-C536	AA		
〃	9-C537	AA		
〃	9-C538	AA		
VCKYCY1HB221K	9-C916	AA		
VCKYCY1HB222K	9-C998	AA		
〃	9-CA416	AA		
VCKYCY1HB471K	9-C106	AA		
VCKYCY1HB472K	9-C517	AA		
〃	9-C518	AA		
VCKYPA1HB102K	9-C590	AA		
〃	9-C950	AA		
〃	9-CP683	AA		
VCKYPA1HB103K	9-C730	AA		
〃	9-C871	AA		
〃	9-C899	AA		
〃	9-CP283	AA		
VCKYPA1HB152K	9-C920	AA		
VCKYPA1HB222K	9-C869	AA		
〃	9-C872	AA		
VCKYTV1CB105K	9-CP248	AC		
〃	9-CP601	AC		
〃	9-CP603	AC		
〃	9-CP640	AC		
〃	9-CP669	AC		
〃	9-CP670	AC		
〃	9-CP671	AC		
〃	9-CP672	AC		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
〃	9-CP673	AC		
〃	9-CP785	AC		
VCKYTV1CF225Z	9-C115	AC		
〃	9-CP662	AC		
〃	9-CP663	AC		
〃	9-CP664	AC		
〃	9-CP665	AC		
〃	9-CP666	AC		
VCKYTV1HB334K	9-CA145	AC		
〃	9-CA146	AC		
〃	9-CA159	AC		
〃	9-CA160	AC		
〃	9-CA245	AC		
〃	9-CA246	AC		
〃	9-CA259	AC		
〃	9-CA260	AC		
〃	9-CA345	AC		
〃	9-CA346	AC		
〃	9-CA359	AC		
〃	9-CA360	AC		
VCKYTV1HB473K	9-C965	AA		
〃	9-C966	AA		
VCQYKA1HM104K	9-C984	AB		
VCQYKA1HM473K	9-C946	AB		
〃	9-C954	AB		
〃	9-C955	AB		
〃	9-C957	AB		
〃	9-C958	AB		
〃	9-C969	AB		
〃	9-C970	AB		
VCQYTA2AA332J	9-C951	AB		
〃	9-C952	AB		
〃	9-C962	AB		
〃	9-C999	AB		
VHD1N4148H/-1	3-D400	AA		
〃	3-D501	AA		
〃	3-D502	AA		
〃	3-D507	AA		
〃	3-D517	AA		
〃	3-D518	AA		
〃	3-D525	AA		
〃	3-D526	AA		
〃	3-D702	AA		
〃	3-D704	AA		
〃	3-D947	AA		
〃	3-D954	AA		
〃	3-D957	AA		
〃	3-D958	AA		
〃	3-D963	AA		
〃	3-DP111	AA		
〃	3-DP171	AA		
〃	3-DP172	AA		
〃	3-DP173	AA		
〃	3-DP600	AA		
〃	3-DP601	AA		
〃	3-DP642	AA		
〃	3-DP643	AA		
〃	3-DP644	AA		
VHDD1FH3+++-1	3-DP113	AE		
〃	3-DP133	AE		
VHDD5SB60++-1	3-D901	AK		
VHDERA92020-1	3-D905	AC		
〃	3-D906	AC		
〃	3-D907	AC		
〃	3-D944	AC		
VHDERB84009-1	3-D936	AD		
〃	3-D938	AD		
〃	3-D939	AD		
〃	3-D970	AD		
VHDFMLG22S+-1	3-D930	AM		
VHDGD1N4004-1	3-D701	AB		
〃	3-D931	AB		
〃	3-D932	AB		
〃	3-D949	AB		
〃	3-D950	AB		
〃	3-D951	AB		
〃	3-D952	AB		
〃	3-D953	AB		
VHDKDS120E+-1	3-DA307	AC		
〃	3-DA319	AC		
〃	3-DA336	AC		
VHDKDS121E+-1	3-DA316	AC		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
〃	3-DA320	AC		
〃	3-DA337	AC		
VHDKDS160//-1	3-D2	AB		
〃	3-D3	AB		
〃	3-D103	AB		
〃	3-D104	AB		
〃	3-D105	AB		
〃	3-D106	AB		
〃	3-D110	AB		
〃	3-D111	AB		
〃	3-D112	AB		
〃	3-D419	AB		
〃	3-D509	AB		
〃	3-D514	AB		
〃	3-D516	AB		
〃	3-D581	AB		
〃	3-D582	AB		
〃	3-D583	AB		
〃	3-D703	AB		
〃	3-D887	AB		
〃	3-D889	AB		
〃	3-D890	AB		
〃	3-D891	AB		
〃	3-D912	AB		
〃	3-DA130	AB		
〃	3-DA131	AB		
〃	3-DA132	AB		
〃	3-DA133	AB		
〃	3-DA230	AB		
〃	3-DA231	AB		
〃	3-DA232	AB		
〃	3-DA233	AB		
〃	3-DA330	AB		
〃	3-DA331	AB		
〃	3-DA332	AB		
〃	3-DA333	AB		
〃	3-DA405	AB		
〃	3-DA408	AB		
〃	3-DA410	AB		
〃	3-DA411	AB		
〃	3-DA412	AB		
〃	3-DA413	AB		
〃	3-DA414	AB		
〃	3-DA415	AB		
〃	3-DD102	AB		
〃	3-DD103	AB		
〃	3-DG101	AB		
〃	3-DG102	AB		
〃	3-DP131	AB		
〃	3-DP174	AB		
〃	3-DP201	AB		
〃	3-DP202	AB		
〃	3-DP203	AB		
〃	3-DP204	AB		
〃	3-DP205	AB		
〃	3-DP206	AB		
〃	3-DP207	AB		
〃	3-DP208	AB		
〃	3-DP209	AB		
〃	3-DP300	AB		
〃	3-DP301	AB		
〃	3-DP302	AB		
〃	3-DP303	AB		
〃	3-DP602	AB		
VHDKDS226//-1	3-DA317	AB		
〃	3-DA334	AB		
〃	3-DA338	AB		
〃	3-DA444	AB		
〃	3-DP200	AB		
VHDSARS03++-1	3-D902	AN		
VHDSFPW56++-1	3-DA108	AE		
〃	3-DA109	AE		
〃	3-DA110	AE		
〃	3-DA111	AE		
〃	3-DA112	AE		
〃	3-DA113	AE		
〃	3-DA114	AE		
〃	3-DA115	AE		
〃	3-DA208	AE		
〃	3-DA209	AE		
〃	3-DA210	AE		
〃	3-DA211	AE		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
〃	3-DA212	AE		
〃	3-DA213	AE		
〃	3-DA214	AE		
〃	3-DA215	AE		
〃	3-DA308	AE		
〃	3-DA309	AE		
〃	3-DA310	AE		
〃	3-DA311	AE		
〃	3-DA312	AE		
〃	3-DA313	AE		
〃	3-DA314	AE		
〃	3-DA315	AE		
VHEDZ150BSB-1	3-ZD934	AB		
〃	3-ZD937	AB		
VHEDZ5R1BSB-1	3-ZDP151	AC		
VHEDZ6R2BSC-1	3-ZD557	AB		
〃	3-ZD558	AB		
〃	3-ZD559	AB		
〃	3-ZD560	AB		
〃	3-ZD561	AB		
〃	3-ZD562	AB		
〃	3-ZD563	AB		
〃	3-ZD564	AB		
〃	3-ZD565	AB		
〃	3-ZD566	AB		
〃	3-ZD602	AB		
〃	3-ZD603	AB		
VHEDZ6R8BSB-1	3-ZDP112	AB		
〃	3-ZDP132	AB		
VHEDZ7R5BSC-1	3-ZD401	AB		
VHEDZ8R2BSA-1	3-ZD502	AB		
〃	3-ZD503	AB		
VHEDZ8R2BSC-1	3-ZD402	AB		
〃	3-ZD403	AB		
VHEUDZS2R7B-1	3-ZDP200	AC		
VHEUDZS3R3B-1	3-ZDP202	AC		
VHEUDZS5R6B-1	3-ZD101	AC		
〃	3-ZD102	AC		
VHEUDZS6R2B-1	3-ZDP677	AC		
VHEUDZS6R8B-1	3-ZDP201	AC		
VHi74HC07AF-1	1-iC104	AF		
VHi74HCU04F-1	1-iCP202	AE		
VHi74V2GU04-1	1-iC103	AE		
VHiAK4586VQ-1	1-iC102	BC		
VHiAN77L05+-1	1-iC937	AG		
VHiBD3813K1-1	1-iC501	AU		
VHiBD3842FS-1	1-iCG101	AM		
VHiBD9701T-V5	1-iCP111	AM		
〃	1-iCP131	AM		
VHiBH7868FS-1	1-iCP200	AM		
〃	1-iCP204	AM		
VHiCS493264-1	1-iC101	BN		
VHiKiA278R09P	1-iCP151	AK		
〃	1-iCP171	AK		
VHiKiA7805AP1	1-iC507	AF		
〃	1-iC934	AF		
〃	1-iCP100	AF		
〃	1-iCP201	AF		
VHiKiA7809AP1	1-iC513	AF		
〃	1-iC933	AF		
VHiL4931Z33-1	1-iC112	AF		
〃	1-iC702	AF		
〃	1-iC703	AF		
〃	1-iCP601	AF		
〃	1-iCP602	AF		
VHiLC72723/-1	1-iCT21	AR		
VHiLC83210W-1	1-iC105	BB		
VHiM24C02WMN-	1-iCP640	AF		
VHiNJM4565M-1	1-iC505	AC		
〃	1-iCP203	AC		
VHiPST9127/-1	1-iC704	AG		
〃	1-iCP641	AG		
VHiSE-B2+++-1	1-iC931	AL		
VHiSi3050LUS1	1-iC110	AG		
VHiSLA5515M-1	1-iCA101	BB		
〃	1-iCA102	BB		
〃	1-iCA201	BB		
〃	1-iCA202	BB		
〃	1-iCA301	BB		
〃	1-iCA302	BB		
VHiSTG3157C-1	1-iC114	AG		
〃	1-iC115	AG		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
〃	1-iC116	AG		
VHiSTRF6268-1	1-iC901	AY		
VHiTA7291S/-1	1-iCP700	AH		
〃	1-iCP701	AH		
VHiTC7WU04U-1	1-iCD101	AG		
〃	1-iCD102	AG		
VHiTJM4558CD1	1-iC306	AE		
〃	1-iC411	AE		
〃	1-iC412	AE		
〃	1-iC413	AE		
〃	1-iC506	AE		
〃	1-iCG102	AE		
VHLK713TC2E-1	11-RXP680	AG		
〃	11-RXP780	AG		
VHP304BCB32-1	3-LED702	AH		
VHP304VT2H3-1	3-LEDP600	AC		
VHP50AWC2E46-	3-LEDP660	AN		
VHPA104GD2A-1	3-LEDP780	AC		
〃	3-LEDP781	AC		
〃	3-LEDP782	AC		
〃	3-LEDP783	AC		
〃	3-LEDP784	AC		
VHPACL110NB-1	3-LEDP731	AH		
VHPGP1FA53R-1	11-RX101	AL		
VHPGP1FA53T-1	11-TX101	AK		
VHPGP1S094HCZ	11-H1	AF		
〃	11-H2	AF		
〃	11-H3	AF		
VHPGP2S40//-1	11-H6	AL		
VHPSG233///-1	11-H4	AE		
〃	11-H5	AE		
VHVTN10V471-1	11-VA901	AE		
VPBNN2R2K0000	5-L103	AC		
〃	5-L104	AC		
〃	5-L105	AC		
〃	5-L106	AC		
〃	5-L108	AC		
〃	5-L110	AC		
〃	5-LD101	AC		
〃	5-LD102	AC		
〃	5-LD103	AC		
〃	5-LD104	AC		
〃	5-LD105	AC		
VP-DH2R2K0000	5-L701	AB		
〃	5-LT21	AB		
〃	5-LT22	AB		
VP-NM4R7M0000	5-LP200	AC		
〃	5-LP201	AC		
VP-XH2R2K0000	5-LP600	AB		
VRD-RT2HD100J	10-R689	AA		
VRD-RT2HD220J	10-R910	AA		
VRD-RT2HD330J	10-R611	AA		
VRD-RT2HD331J	10-R758	AA		
VRD-RT2HD392J	10-R888	AA		
VRD-RT2HD394J	10-R901	AB		
VRD-RT2HD470J	10-R612	AA		
〃	10-R690	AA		
VRD-ST2CD000J	10-R919	AA		
〃	10-RG120	AA		
〃	10-RG121	AA		
VRD-ST2CD101J	10-RG133	AA		
〃	10-RP680	AA		
〃	10-RP789	AA		
VRD-ST2CD102J	10-R967	AA		
〃	10-R969	AA		
〃	10-R970	AA		
〃	10-R980	AA		
〃	10-R983	AA		
〃	10-RP604	AA		
〃	10-RP605	AA		
〃	10-RP606	AA		
〃	10-RP611	AA		
〃	10-RP615	AA		
〃	10-RP621	AA		
〃	10-RP626	AA		
〃	10-RP631	AA		
〃	10-RP636	AA		
〃	10-RP637	AA		
〃	10-RP638	AA		
〃	10-RP639	AA		
〃	10-RP660	AA		
〃	10-RP662	AA		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
〃	10-RP663	AA		
〃	10-RP664	AA		
〃	10-RP665	AA		
〃	10-RP666	AA		
〃	10-RP670	AA		
〃	10-RP671	AA		
〃	10-RP672	AA		
〃	10-RP700	AA		
〃	10-RP702	AA		
VRD-ST2CD103J	10-R585	AA		
〃	10-R586	AA		
〃	10-R719	AA		
〃	10-RP114	AA		
〃	10-RP134	AA		
〃	10-RP608	AA		
〃	10-RP610	AA		
〃	10-RP722	AA		
〃	10-RP807	AA		
〃	10-RP808	AA		
VRD-ST2CD104J	10-R583	AA		
〃	10-R584	AA		
〃	10-R649	AA		
〃	10-RP630	AA		
〃	10-RP633	AA		
〃	10-RP643	AA		
VRD-ST2CD123J	10-R968	AA		
VRD-ST2CD152J	10-R916	AA		
VRD-ST2CD154J	10-R915	AA		
VRD-ST2CD221J	10-R918	AA		
〃	10-RG111	AA		
〃	10-RP798	AA		
〃	10-RP801	AA		
VRD-ST2CD224J	10-R995	AA		
VRD-ST2CD273J	10-RP609	AA		
VRD-ST2CD332J	10-R914	AA		
〃	10-R999	AA		
〃	10-RP745	AA		
VRD-ST2CD333J	10-RP721	AA		
VRD-ST2CD471J	10-RP650	AA		
〃	10-RP651	AA		
VRD-ST2CD473J	10-R491	AA		
〃	10-R604	AA		
VRD-ST2EE105J	10-R903	AA		
VRD-ST2EE151J	10-R541	AA		
〃	10-R544	AA		
〃	10-R626	AA		
〃	10-R627	AA		
VRD-ST2EE152J	10-R971	AA		
VRD-ST2EE181J	10-RG143	AA		
〃	10-RG159	AA		
VRD-ST2EE1R2J	10-R890	AA		
VRD-ST2EE1R5J	10-R889	AA		
VRD-ST2EE680J	10-RP151	AA		
〃	10-RP152	AA		
VRD-ST2EE820J	10-R590	AA		
〃	10-R591	AA		
〃	10-R592	AA		
〃	10-R647	AA		
VRN-CM05N0R1J	10-R871	AD		
VRN-CM05N470J	10-RA150	AE		
〃	10-RA151	AE		
〃	10-RA250	AE		
〃	10-RA251	AE		
〃	10-RA350	AE		
〃	10-RA351	AE		
VRN-VU3DAR18J	10-R907	AB		
〃	10-R908	AB		
VRS-CB1JF102J	10-R711	AB		
〃	10-R718	AB		
〃	10-R722	AB		
〃	10-R745	AB		
〃	10-R770	AB		
〃	10-RP622	AB		
〃	10-RP623	AB		
〃	10-RP629	AB		
〃	10-RP668	AB		
〃	10-RP669	AB		
VRS-CY1JB000J	3-D4	AA		
〃	9-CP259	AA		
〃	10-JP3	AA		
〃	10-JP4	AA		
〃	10-JP5	AA		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
〃	10-JP6	AA		
〃	10-JP12	AA		
〃	10-JP16	AA		
〃	10-JP18	AA		
〃	10-JP19	AA		
〃	10-JP20	AA		
〃	10-R496	AA		
〃	10-R499	AA		
〃	10-R508	AA		
〃	10-R510	AA		
〃	10-R567	AA		
〃	10-R569	AA		
〃	10-R570	AA		
〃	10-R579	AA		
〃	10-R580	AA		
〃	10-JP105	AA		
〃	10-JP200	AA		
〃	10-JP242	AA		
〃	10-JP248	AA		
〃	10-JP700	AA		
〃	10-JP701	AA		
〃	10-JP702	AA		
〃	10-JP705	AA		
〃	10-JP706	AA		
〃	10-JP707	AA		
〃	10-JP708	AA		
〃	10-JP709	AA		
〃	10-JP710	AA		
〃	10-JP712	AA		
〃	10-JP713	AA		
〃	10-JP714	AA		
〃	10-JP715	AA		
〃	10-JP716	AA		
〃	10-JP717	AA		
〃	10-JP720	AA		
〃	10-RA474	AA		
〃	10-RD138	AA		
〃	10-RP215	AA		
〃	10-RP216	AA		
〃	10-RP218	AA		
〃	10-RP219	AA		
〃	10-RP221	AA		
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〃	10-RP223	AA		
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〃	10-RP227	AA		
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〃	10-RP278	AA		
〃	10-RP279	AA		
〃	10-RP613	AA		
〃	10-RP681	AA		
〃	10-RP682	AA		
〃	10-RP683	AA		
〃	10-RP813	AA		
VRS-CY1JB100J	10-R789	AA		
VRS-CY1JB101J	10-R119	AA		
〃	10-R127	AA		
〃	10-R128	AA		
〃	10-R153	AA		
〃	10-R164	AA		
〃	10-R423	AA		
〃	10-R424	AA		
〃	10-R443	AA		
〃	10-R444	AA		
〃	10-R463	AA		
〃	10-JP239	AA		
〃	10-RA161	AA		
〃	10-RA261	AA		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
〃	10-RA361	AA		
〃	10-RG132	AA		
〃	10-RP238	AA		
〃	10-RP282	AA		
〃	10-RP296	AA		
VRS-CY1JB102D	10-RA136	AA		
〃	10-RA137	AA		
〃	10-RA144	AA		
〃	10-RA145	AA		
〃	10-RA236	AA		
〃	10-RA237	AA		
〃	10-RA244	AA		
〃	10-RA245	AA		
〃	10-RA336	AA		
〃	10-RA337	AA		
〃	10-RA344	AA		
〃	10-RA345	AA		
〃	10-RP112	AA		
VRS-CY1JB102J	10-R139	AA		
〃	10-R140	AA		
〃	10-R141	AA		
〃	10-R160	AA		
〃	10-R161	AA		
〃	10-R188	AA		
〃	10-R404	AA		
〃	10-R417	AA		
〃	10-R418	AA		
〃	10-R421	AA		
〃	10-R422	AA		
〃	10-R437	AA		
〃	10-R438	AA		
〃	10-R441	AA		
〃	10-R442	AA		
〃	10-R457	AA		
〃	10-R461	AA		
〃	10-R478	AA		
〃	10-R500	AA		
〃	10-R501	AA		
〃	10-R525	AA		
〃	10-R526	AA		
〃	10-R537	AA		
〃	10-R550	AA		
〃	10-R553	AA		
〃	10-R561	AA		
〃	10-R562	AA		
〃	10-R599	AA		
〃	10-R616	AA		
〃	10-R619	AA		
〃	10-R621	AA		
〃	10-R704	AA		
〃	10-R706	AA		
〃	10-R710	AA		
〃	10-R712	AA		
〃	10-R713	AA		
〃	10-R714	AA		
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〃	10-R717	AA		
〃	10-R739	AA		
〃	10-R740	AA		
〃	10-R741	AA		
〃	10-R742	AA		
〃	10-R743	AA		
〃	10-R744	AA		
〃	10-R749	AA		
〃	10-R750	AA		
〃	10-R754	AA		
〃	10-R766	AA		
〃	10-R767	AA		
〃	10-R768	AA		
〃	10-R769	AA		
〃	10-R776	AA		
〃	10-R779	AA		
〃	10-R781	AA		
〃	10-R790	AA		
〃	10-R792	AA		
〃	10-R798	AA		
〃	10-R799	AA		
〃	10-R912	AA		
〃	10-RT27	AA		
〃	10-RT29	AA		
〃	10-RT30	AA		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
〃	10-RA124	AA		
〃	10-RA125	AA		
〃	10-RA128	AA		
〃	10-RA129	AA		
〃	10-RA159	AA		
〃	10-RA224	AA		
〃	10-RA225	AA		
〃	10-RA228	AA		
〃	10-RA229	AA		
〃	10-RA259	AA		
〃	10-RA324	AA		
〃	10-RA325	AA		
〃	10-RA328	AA		
〃	10-RA329	AA		
〃	10-RA359	AA		
〃	10-RA406	AA		
〃	10-RA407	AA		
〃	10-RA408	AA		
〃	10-RA434	AA		
〃	10-RA451	AA		
〃	10-RA456	AA		
〃	10-RA485	AA		
〃	10-RA489	AA		
〃	10-RD131	AA		
〃	10-RD132	AA		
〃	10-RD133	AA		
〃	10-RD134	AA		
〃	10-RD135	AA		
〃	10-RD136	AA		
〃	10-RG139	AA		
〃	10-RG140	AA		
〃	10-RG160	AA		
〃	10-RG161	AA		
〃	10-RP131	AA		
〃	10-RP240	AA		
〃	10-RP241	AA		
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〃	10-RP253	AA		
〃	10-RP268	AA		
〃	10-RP271	AA		
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〃	10-RP710	AA		
〃	10-RP711	AA		
〃	10-RP712	AA		
〃	10-RP724	AA		
VRS-CY1JB103D	10-R886	AA		
〃	10-R892	AA		
VRS-CY1JB103J	10-R101	AA		
〃	10-R106	AA		
〃	10-R107	AA		
〃	10-R108	AA		
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〃	10-R113	AA		
〃	10-R117	AA		
〃	10-R118	AA		
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〃	10-R165	AA		
〃	10-R167	AA		
〃	10-R176	AA		
〃	10-R177	AA		
〃	10-R178	AA		
〃	10-R179	AA		
〃	10-R180	AA		
〃	10-R199	AA		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
〃	10-R468	AA		
〃	10-R572	AA		
〃	10-R581	AA		
〃	10-R596	AA		
〃	10-R655	AA		
〃	10-R709	AA		
〃	10-R727	AA		
〃	10-R732	AA		
〃	10-R735	AA		
〃	10-R753	AA		
〃	10-R760	AA		
〃	10-R772	AA		
〃	10-R780	AA		
〃	10-R782	AA		
〃	10-R784	AA		
〃	10-R788	AA		
〃	10-R810	AA		
〃	10-R857	AA		
〃	10-R858	AA		
〃	10-R861	AA		
〃	10-R862	AA		
〃	10-R863	AA		
〃	10-R882	AA		
〃	10-R893	AA		
〃	10-RT25	AA		
〃	10-RT31	AA		
〃	10-RT32	AA		
〃	10-RT33	AA		
〃	10-RA488	AA		
〃	10-RA490	AA		
〃	10-RG146	AA		
〃	10-RP207	AA		
〃	10-RP213	AA		
〃	10-RP255	AA		
〃	10-RP259	AA		
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〃	10-RP715	AA		
〃	10-RP723	AA		
〃	10-RP725	AA		
〃	10-RP731	AA		
〃	10-RP735	AA		
〃	10-RP736	AA		
〃	10-RP738	AA		
〃	10-RP748	AA		
〃	10-RP784	AA		
〃	10-RP794	AA		
〃	10-RP802	AA		
〃	10-RP806	AA		
〃	10-RP810	AA		
〃	10-RP812	AA		
VRS-CY1JB104J	10-R419	AA		
〃	10-R435	AA		
〃	10-R436	AA		
〃	10-R455	AA		
〃	10-R479	AA		
〃	10-R483	AA		
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〃	10-R514	AA		
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〃	10-R521	AA		
〃	10-R522	AA		
〃	10-R593	AA		
〃	10-R594	AA		
〃	10-R595	AA		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
〃	10-R662	AA		
〃	10-R721	AA		
〃	10-R757	AA		
〃	10-R797	AA		
〃	10-R864	AA		
〃	10-R894	AA		
〃	10-RA100	AA		
〃	10-RA101	AA		
〃	10-RA200	AA		
〃	10-RA201	AA		
〃	10-RA300	AA		
〃	10-RA301	AA		
〃	10-RG118	AA		
〃	10-RG119	AA		
〃	10-RG134	AA		
〃	10-RG135	AA		
〃	10-RG141	AA		
〃	10-RG144	AA		
〃	10-RG149	AA		
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〃	10-RP220	AA		
〃	10-RP226	AA		
〃	10-RP229	AA		
〃	10-RP232	AA		
〃	10-RP269	AA		
〃	10-RP270	AA		
〃	10-RP293	AA		
〃	10-RP294	AA		
VRS-CY1JB105J	10-R148	AA		
〃	10-R493	AA		
VRS-CY1JB121J	10-R568	AA		
〃	10-R575	AA		
VRS-CY1JB122J	10-R197	AA		
〃	10-R198	AA		
〃	10-R933	AA		
〃	10-RG100	AA		
〃	10-RG101	AA		
〃	10-RP732	AA		
〃	10-RP803	AA		
〃	10-RP804	AA		
〃	10-RP805	AA		
VRS-CY1JB123J	10-R791	AA		
VRS-CY1JB124D	10-RA104	AA		
〃	10-RA105	AA		
〃	10-RA106	AA		
〃	10-RA107	AA		
〃	10-RA204	AA		
〃	10-RA205	AA		
〃	10-RA206	AA		
〃	10-RA207	AA		
〃	10-RA304	AA		
〃	10-RA305	AA		
〃	10-RA306	AA		
〃	10-RA307	AA		
VRS-CY1JB124J	10-R898	AA		
VRS-CY1JB151J	10-R726	AA		
〃	10-R730	AA		
〃	10-RD102	AA		
〃	10-RD103	AA		
〃	10-RD109	AA		
〃	10-RD120	AA		
〃	10-RG123	AA		
〃	10-RP644	AA		
〃	10-RP645	AA		
〃	10-RP675	AA		
〃	10-RP684	AA		
VRS-CY1JB152J	10-R420	AA		
〃	10-R452	AA		
〃	10-R492	AA		
〃	10-RP132	AA		
〃	10-RP281	AA		
〃	10-RP661	AA		
VRS-CY1JB153D	10-RA130	AA		
〃	10-RA131	AA		
〃	10-RA138	AA		
〃	10-RA139	AA		
〃	10-RA172	AA		
〃	10-RA173	AA		
〃	10-RA174	AA		
〃	10-RA175	AA		
〃	10-RA230	AA		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
〃	10-RA231	AA		
〃	10-RA238	AA		
〃	10-RA239	AA		
〃	10-RA272	AA		
〃	10-RA273	AA		
〃	10-RA274	AA		
〃	10-RA275	AA		
〃	10-RA330	AA		
〃	10-RA331	AA		
〃	10-RA338	AA		
〃	10-RA339	AA		
〃	10-RA372	AA		
〃	10-RA373	AA		
〃	10-RA374	AA		
〃	10-RA375	AA		
VRS-CY1JB153J	10-R133	AA		
〃	10-R551	AA		
〃	10-R669	AA		
〃	10-R670	AA		
〃	10-RP717	AA		
〃	10-RP719	AA		
VRS-CY1JB181J	10-RP780	AA		
〃	10-RP781	AA		
〃	10-RP783	AA		
〃	10-RP785	AA		
〃	10-RP787	AA		
VRS-CY1JB182J	10-RP790	AA		
〃	10-RP796	AA		
VRS-CY1JB183D	10-R855	AA		
〃	10-R868	AA		
〃	10-R879	AA		
〃	10-R881	AA		
〃	10-R883	AA		
〃	10-R884	AA		
VRS-CY1JB183J	10-R130	AA		
〃	10-RP265	AA		
〃	10-RP266	AA		
VRS-CY1JB184D	10-R880	AA		
〃	10-R891	AA		
VRS-CY1JB203D	10-RA108	AB		
〃	10-RA109	AB		
〃	10-RA208	AB		
〃	10-RA209	AB		
〃	10-RA308	AB		
〃	10-RA309	AB		
VRS-CY1JB221J	10-R131	AA		
〃	10-R132	AA		
〃	10-R136	AA		
〃	10-R150	AA		
〃	10-R182	AA		
〃	10-R401	AA		
〃	10-R405	AA		
〃	10-R511	AA		
〃	10-R512	AA		
〃	10-R515	AA		
〃	10-R516	AA		
〃	10-R519	AA		
〃	10-R520	AA		
〃	10-R762	AA		
〃	10-R763	AA		
〃	10-R764	AA		
〃	10-R765	AA		
〃	10-R870	AA		
〃	10-RG110	AA		
〃	10-RP286	AA		
〃	10-RP799	AA		
〃	10-RP800	AA		
VRS-CY1JB222D	10-R867	AA		
〃	10-R885	AA		
〃	10-RP111	AA		
VRS-CY1JB222J	10-R411	AA		
〃	10-R412	AA		
〃	10-R531	AA		
〃	10-R532	AA		
〃	10-R597	AA		
〃	10-R598	AA		
〃	10-R630	AA		
〃	10-R811	AA		
〃	10-RT28	AA		
〃	10-RA433	AA		
〃	10-RA437	AA		
〃	10-RA455	AA		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
〃	10-RG157	AA		
〃	10-RG158	AA		
〃	10-RP283	AA		
〃	10-RP791	AA		
〃	10-RP797	AA		
VRS-CY1JB223J	10-R464	AA		
〃	10-R554	AA		
〃	10-RG102	AA		
〃	10-RG103	AA		
〃	10-RG104	AA		
〃	10-RG105	AA		
〃	10-RG106	AA		
〃	10-RG107	AA		
〃	10-RG108	AA		
〃	10-RG109	AA		
〃	10-RG138	AA		
〃	10-RG145	AA		
VRS-CY1JB224J	10-R573	AA		
〃	10-R578	AA		
〃	10-RP625	AA		
VRS-CY1JB271J	10-RP1	AA		
〃	10-RP2	AA		
〃	10-RP3	AA		
〃	10-RP4	AA		
〃	10-RP5	AA		
〃	10-RP6	AA		
〃	10-R600	AA		
〃	10-R603	AA		
〃	10-R761	AA		
〃	10-RP113	AA		
VRS-CY1JB272J	10-R560	AA		
〃	10-R574	AA		
〃	10-R756	AA		
〃	10-R759	AA		
〃	10-R930	AA		
〃	10-RA432	AA		
〃	10-RA436	AA		
〃	10-RA454	AA		
〃	10-RP133	AA		
〃	10-RP291	AA		
〃	10-RP295	AA		
〃	10-RP640	AA		
〃	10-RP641	AA		
VRS-CY1JB273J	10-R552	AA		
〃	10-RA492	AA		
〃	10-RA500	AA		
〃	10-RA508	AA		
〃	10-RP782	AA		
〃	10-RP795	AA		
VRS-CY1JB330J	10-R14	AA		
〃	10-R15	AA		
VRS-CY1JB331J	10-R121	AA		
〃	10-R125	AA		
〃	10-R126	AA		
〃	10-R996	AA		
〃	10-RP280	AA		
〃	10-RP300	AA		
VRS-CY1JB332D	10-RA132	AA		
〃	10-RA133	AA		
〃	10-RA140	AA		
〃	10-RA141	AA		
〃	10-RA232	AA		
〃	10-RA233	AA		
〃	10-RA240	AA		
〃	10-RA241	AA		
〃	10-RA332	AA		
〃	10-RA333	AA		
〃	10-RA340	AA		
〃	10-RA341	AA		
VRS-CY1JB332J	10-R102	AA		
〃	10-R103	AA		
〃	10-R104	AA		
〃	10-R105	AA		
〃	10-R114	AA		
〃	10-R115	AA		
〃	10-R116	AA		
〃	10-R414	AA		
〃	10-R425	AA		
〃	10-R426	AA		
〃	10-R431	AA		
〃	10-R432	AA		
〃	10-R445	AA		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
〃	10-R446	AA		
〃	10-R451	AA		
〃	10-R465	AA		
〃	10-R466	AA		
〃	10-R629	AA		
〃	10-RP741	AA		
〃	10-RP743	AA		
〃	10-RP744	AA		
〃	10-RP788	AA		
〃	10-RP792	AA		
VRS-CY1JB333J	10-R120	AA		
〃	10-R654	AA		
〃	10-R657	AA		
〃	10-R859	AA		
〃	10-R895	AA		
〃	10-R899	AA		
〃	10-RA352	AA		
〃	10-RA353	AA		
〃	10-RA354	AA		
VRS-CY1JB390J	10-RP677	AA		
VRS-CY1JB392J	10-R439	AA		
〃	10-R440	AA		
〃	10-R459	AA		
〃	10-R460	AA		
〃	10-R477	AA		
〃	10-R931	AA		
〃	10-RT34	AA		
VRS-CY1JB393J	10-RP734	AA		
〃	10-RP737	AA		
〃	10-RP739	AA		
〃	10-RP740	AA		
〃	10-RP809	AA		
〃	10-RP811	AA		
VRS-CY1JB471J	10-R149	AA		
〃	10-R400	AA		
〃	10-R571	AA		
〃	10-R577	AA		
〃	10-RD151	AA		
VRS-CY1JB472J	10-R123	AA		
〃	10-R124	AA		
〃	10-R504	AA		
〃	10-R505	AA		
〃	10-R701	AA		
〃	10-R702	AA		
〃	10-R703	AA		
〃	10-R708	AA		
〃	10-R752	AA		
〃	10-R896	AA		
〃	10-R997	AA		
〃	10-RA480	AA		
〃	10-RA481	AA		
〃	10-RA482	AA		
〃	10-RA483	AA		
〃	10-RA484	AA		
〃	10-RP261	AA		
〃	10-RP262	AA		
〃	10-RP287	AA		
〃	10-RP288	AA		
〃	10-RP289	AA		
〃	10-RP297	AA		
〃	10-RP716	AA		
〃	10-RP720	AA		
VRS-CY1JB473J	10-R151	AA		
〃	10-R152	AA		
〃	10-R427	AA		
〃	10-R428	AA		
〃	10-R447	AA		
〃	10-R448	AA		
〃	10-R467	AA		
〃	10-R490	AA		
〃	10-R601	AA		
〃	10-R602	AA		
〃	10-R605	AA		
〃	10-R613	AA		
〃	10-R614	AA		
〃	10-R656	AA		
〃	10-R658	AA		
〃	10-R671	AA		
〃	10-R672	AA		
〃	10-R673	AA		
〃	10-R773	AA		
〃	10-R998	AA		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
〃	10-RA487	AA		
〃	10-RD100	AA		
〃	10-RD104	AA		
〃	10-RD105	AA		
〃	10-RD107	AA		
〃	10-RD108	AA		
〃	10-RP730	AA		
VRS-CY1JB474J	10-R606	AA		
〃	10-R615	AA		
〃	10-R653	AA		
VRS-CY1JB4R7J	10-R129	AA		
〃	10-R134	AA		
VRS-CY1JB561J	10-R462	AA		
〃	10-RA409	AA		
〃	10-RA410	AA		
〃	10-RA411	AA		
〃	10-RA412	AA		
〃	10-RA413	AA		
〃	10-RA414	AA		
〃	10-RA431	AA		
〃	10-RA435	AA		
〃	10-RA440	AA		
〃	10-RA443	AA		
VRS-CY1JB562J	10-R162	AA		
〃	10-R416	AA		
〃	10-R869	AA		
〃	10-RA146	AA		
〃	10-RA147	AA		
〃	10-RA148	AA		
〃	10-RA149	AA		
〃	10-RA246	AA		
〃	10-RA247	AA		
〃	10-RA248	AA		
〃	10-RA249	AA		
〃	10-RA346	AA		
〃	10-RA347	AA		
〃	10-RA348	AA		
〃	10-RA349	AA		
〃	10-RP786	AA		
〃	10-RP793	AA		
VRS-CY1JB563J	10-R539	AA		
〃	10-R932	AA		
〃	10-RT24	AA		
〃	10-RT26	AA		
〃	10-RP298	AA		
〃	10-RP299	AA		
VRS-CY1JB680J	10-R874	AA		
VRS-CY1JB681D	10-RA134	AA		
〃	10-RA135	AA		
〃	10-RA142	AA		
〃	10-RA143	AA		
〃	10-RA234	AA		
〃	10-RA235	AA		
〃	10-RA242	AA		
〃	10-RA243	AA		
〃	10-RA334	AA		
〃	10-RA335	AA		
〃	10-RA342	AA		
〃	10-RA343	AA		
VRS-CY1JB681J	10-R731	AA		
〃	10-RP642	AA		
VRS-CY1JB682J	10-R480	AA		
〃	10-R527	AA		
〃	10-R528	AA		
〃	10-RG136	AA		
〃	10-RG137	AA		
〃	10-RP718	AA		
VRS-CY1JB683J	10-R458	AA		
〃	10-R751	AA		
〃	10-RA491	AA		
〃	10-RA499	AA		
〃	10-RA507	AA		
〃	10-RP601	AA		
〃	10-RP635	AA		
VRS-CY1JB750J	10-RD130	AA		
〃	10-RP206	AA		
〃	10-RP208	AA		
〃	10-RP209	AA		
〃	10-RP210	AA		
〃	10-RP211	AA		
〃	10-RP212	AA		
〃	10-RP254	AA		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
〃	10-RP256	AA		
〃	10-RP257	AA		
〃	10-RP258	AA		
VRS-CY1JB753D	10-RA155	AA		
〃	10-RA156	AA		
〃	10-RA157	AA		
〃	10-RA158	AA		
〃	10-RA255	AA		
〃	10-RA256	AA		
〃	10-RA257	AA		
〃	10-RA258	AA		
〃	10-RA355	AA		
〃	10-RA356	AA		
〃	10-RA357	AA		
〃	10-RA358	AA		
VRS-CY1JB821J	10-R413	AA		
〃	10-R755	AA		
〃	10-RA452	AA		
〃	10-RA453	AA		
〃	10-RP627	AA		
〃	10-RP674	AA		
VRS-CY1JB822J	10-R502	AA		
〃	10-R503	AA		
〃	10-R506	AA		
〃	10-R523	AA		
〃	10-R524	AA		
〃	10-R543	AA		
VRS-CY1JB823J	10-R587	AA		
〃	10-R588	AA		
〃	10-RA495	AA		
〃	10-RA496	AA		
〃	10-RA505	AA		
〃	10-RA506	AA		
〃	10-RA514	AA		
〃	10-RA518	AA		
VRS-TV2AB000J	5-L101	AA		
〃	5-L102	AA		
VRS-TV2AB221J	10-RP267	AA		
VRS-VV3DA104J	10-R917	AB		
VRS-VV3DA473J	10-R905	AB		
〃	10-R906	AB		
VRS-VV3DAR10J	10-RA415	AB		
〃	10-RA417	AB		
〃	10-RA419	AB		
〃	10-RA438	AB		
〃	10-RA441	AB		
〃	10-RA444	AB		
VS2SB709AR+-1	2-QP730	AB		
VS2SK208///-1	2-Q503	AD		
〃	2-Q504	AD		
VSCPH3418++-1	2-Q459	AG		
VSKRA102S//-1	2-QA408	AB		
〃	2-QA427	AB		
VSKRA105S//-1	2-QP205	AB		
〃	2-QP206	AB		
VSKRA106S//-1	2-Q542	AB		
VSKRA107S//-1	2-Q400	AB		
〃	2-Q429	AB		
〃	2-Q501	AB		
〃	2-Q512	AB		
〃	2-Q523	AB		
〃	2-Q536	AB		
〃	2-Q538	AB		
〃	2-QD101	AB		
VSKRC102M//-1	2-QP131	AC		
VSKRC102S//-1	2-Q428	AB		
〃	2-Q710	AB		
〃	2-QA411	AB		
〃	2-QA413	AB		
〃	2-QA421	AB		
〃	2-QA423	AB		
〃	2-QP731	AB		
VSKRC104S//-1	2-Q701	AC		
〃	2-Q702	AC		
〃	2-Q703	AC		
〃	2-Q704	AC		
〃	2-Q705	AC		
〃	2-Q706	AC		
〃	2-QA410	AC		
〃	2-QA422	AC		
〃	2-QA424	AC		
〃	2-QP641	AC		
〃	2-QP642	AC		
〃	2-QP705	AC		
〃	2-QP706	AC		
〃	2-QP707	AC		
〃	2-QP708	AC		
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〃	2-QP710	AC		
〃	2-QP732	AC		
〃	2-QP733	AC		
〃	2-QP734	AC		
〃	2-QP735	AC		
〃	2-QP736	AC		
〃	2-QP737	AC		
〃	2-QP739	AC		
VSKRC106M//-1	2-Q896	AB		
VSKRC106S//-1	2-QP660	AB		
VSKRC107S//-1	2-Q528	AB		
〃	2-QT22	AB		
〃	2-QT23	AB		
〃	2-QA420	AB		
〃	2-QP132	AB		
〃	2-QP200	AB		
〃	2-QP202	AB		
〃	2-QP203	AB		
〃	2-QP204	AB		
〃	2-QP209	AB		
〃	2-QP210	AB		
〃	2-QP211	AB		
〃	2-QP661	AB		
〃	2-QP700	AB		
〃	2-QP701	AB		
〃	2-QP702	AB		
〃	2-QP703	AB		
〃	2-QP704	AB		
〃	2-QP738	AB		
VSKTA1266GR-1	2-Q895	AB		
〃	2-Q951	AB		
VSKTA1273Y/-1	2-Q526	AE		
VSKTA1504GR-1	2-Q516	AB		
〃	2-Q711	AB		
〃	2-QA400	AB		
〃	2-QA401	AB		
〃	2-QA402	AB		
〃	2-QA403	AB		
〃	2-QA404	AB		
〃	2-QA405	AB		
〃	2-QA406	AB		
〃	2-QA407	AB		
〃	2-QA409	AB		
〃	2-QA412	AB		
〃	2-QG103	AB		
VSKTC2875B/-1	2-Q517	AC		
〃	2-Q518	AC		
〃	2-Q598	AC		
〃	2-Q599	AC		
〃	2-QT21	AC		
〃	2-QG101	AC		
〃	2-QG102	AC		
VSKTC3203Y/-1	2-Q892	AC		
〃	2-Q893	AC		
VSKTC3875GR-1	2-Q403	AB		
〃	2-Q513	AB		
〃	2-Q514	AB		
〃	2-Q515	AB		
〃	2-Q524	AB		
〃	2-Q527	AB		
〃	2-Q530	AB		
〃	2-Q535	AB		
〃	2-Q537	AB		
〃	2-Q539	AB		
〃	2-Q541	AB		
〃	2-Q543	AB		
〃	2-Q544	AB		
〃	2-Q545	AB		
〃	2-Q950	AB		
〃	2-QP201	AB		
〃	2-QP207	AB		
〃	2-QP208	AB		
VSKTC4375Y+-1	2-Q401	AE		
〃	2-Q525	AE		
【 X 】				
XBBSN26P10000	13-601	AB		

PARTS CODE	No.	PRICE RANK	NEW MARK	PART RANK
〃	14-601	AB		
XBBY720P05000	12-506	AA		
XEBSN30P10000	13-602	AA		
〃	18-918	AA		
XEBSN30P12000	15-908	AA		
〃	16-908	AA		
〃	17-908	AA		
XEBY720P06000	12-507	AA		
XEBY720P08000	12-508	AA		
XEBY720P12000	12-511	AA		
XEBY726P06000	13-603	AA		
XEBY726P08000	13-604	AA		
XEBY726P10000	13-605	AA		
〃	14-605	AA		
XEBY730P10000	13-606	AA		
XHSSN30P10000	13-607	AA		
XJBSN30P08000	13-608	AA		
〃	14-608	AA		
XJBSN30P10000	13-609	AA		
〃	14-609	AA		
XJBY730P06000	13-620	AA		
〃	14-615	AA		
XJBY730P08000	14-616	AA		
XJBY730P10000	13-610	AA		
XJBY730P16000	14-617	AB		
XJBY830P08000	14-618	AB		
XJSSN30P10000	13-611	AA		
XJSY730P08000	14-619	AA		
XTBSN40P12000	18-919	AC		
XTBSN40P16000	18-920	AC		
XTPSF40P16000	18-921	AA		
【 9 】				
92LCONE2P53253	11-CNP701	AB		
〃	11-CNPP730	AB		
92LCONE3P53253	11-CNP401	AB		
92LCONE4P53253	11-CNP403	AB		
〃	11-CNPA401	AB		
92LCONE5P53254	11-CNPP781	AB		
92LCONE6P53253	11-CNP503	AC		
〃	11-CNPP202	AC		
92LCONE9P53253	11-CNP502	AC		
92LCONEAP53254	11-CNPP780	AD		
92LCONEDP53253	11-CNP500	AE		
92LCONEEP53253	11-CNPP203	AE		
92LCONEFP53253	11-CNP903	AE		
92LFANT1535A	19-34	AF		
92LNBAND1318A	13-227	AA		
〃	14-227	AA		
92LPWB5880MCAS	20-PWB-D	-		
92LPWB5888DPLS	20-PWB-C	-		
92LPWB5888DVDS	20-PWB-E	-		
92LPWB5888JCKS	20-PWB-F	-		
92LPWB5888MANS	20-PWB-A	-		
92LPWB5888PWRS	20-PWB-B	-		
92LSTD5880ASY1	13-202	AX		
92LSUPT1749D	12-200	AA		
92LSWiCHT1663T	11-SWP780	AC		
〃	11-SWP781	AC		
〃	11-SWP782	AC		
〃	11-SWP783	AC		
〃	11-SWP784	AC		
〃	11-SWP785	AC		
〃	11-SWP786	AC		
〃	11-SWP787	AC		
〃	11-SWP788	AC		
〃	11-SWP789	AC		
〃	11-SWP790	AC		
〃	11-SWP791	AC		
〃	11-SWP792	AC		
〃	11-SWP793	AC		
〃	11-SWP794	AC		

"HOW TO ORDER REPLACEMENT PARTS"

To have your order filled promptly and correctly, please furnish the following information.

1. MODEL NUMBER
2. REF. No.
3. PART NO.
4. DESCRIPTION

★ MARK: SPARE PARTS-DELIVERY SECTION

For U.S.A. only

Contact your nearest SHARP Parts Distributor to order.

For location of SHARP Parts Distributor,
Please call Toll-Free;
1-800-BE-SHARP

Explanation of capacitors/resistors parts codes

Capacitors

VCC ..... Ceramic type
VCK..... Ceramic type
VCT ..... Semiconductor type
VC • • MF ..... Cylindrical type (without lead wire)
VC • • MN..... Cylindrical type (without lead wire)
VC • • TV..... Square type (without lead wire)
VC • • TQ ..... Square type (without lead wire)
VC • • CY ..... Square type (without lead wire)
VC • • CZ ..... Square type (without lead wire)
VC • • • • • • • • • J.. The 13th character represents capacity difference.
("J" ±5%, "K" ±10%, "M" ±20%, "N" ±30%,
"C" ±0.25 pF, "D" ±0.5 pF, "Z" +80-20%.)

If there are no indications for the electrolytic capacitors, error is ±20%.

Resistors

VRD ..... Carbon-film type
VRS..... Carbon-film type
VRN ..... Metal-film type
VR • • MF ..... Cylindrical type (without lead wire)
VR • • MN..... Cylindrical type (without lead wire)
VR • • TV..... Square type (without lead wire)
VR • • TQ ..... Square type (without lead wire)
VR • • CY ..... Square type (without lead wire)
VR • • CZ ..... Square type (without lead wire)
VR • • • • • • • • • J.. The 13th character represents error.
("J" ±5%, "F" ±1%, "D" ±0.5%.)

If there are no indications for other parts, the resistors are ±5% carbon-film type.

NOTE:
Parts marked with "⚠" are important for maintaining the safety of the set.
Be sure to replace parts with specified ones for maintaining the safety and performance of the set.

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